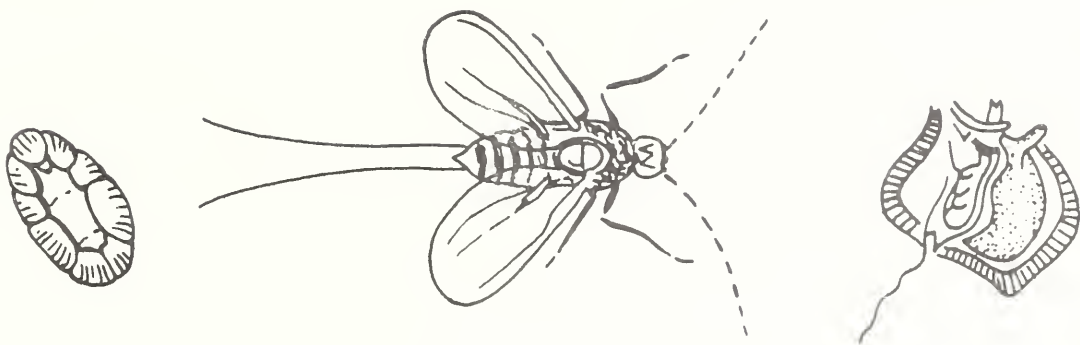


Historic, archived document

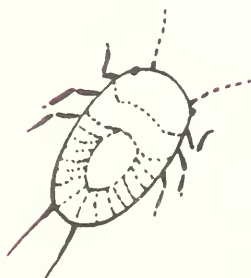
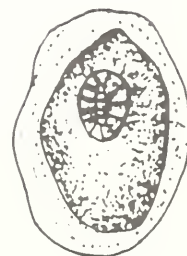
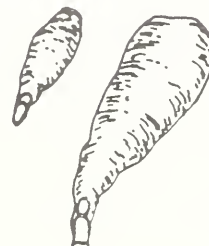
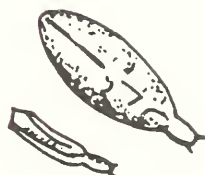
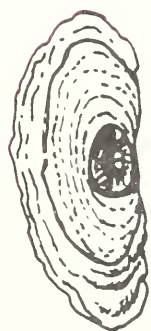
Do not assume content reflects current scientific knowledge, policies, or practices.

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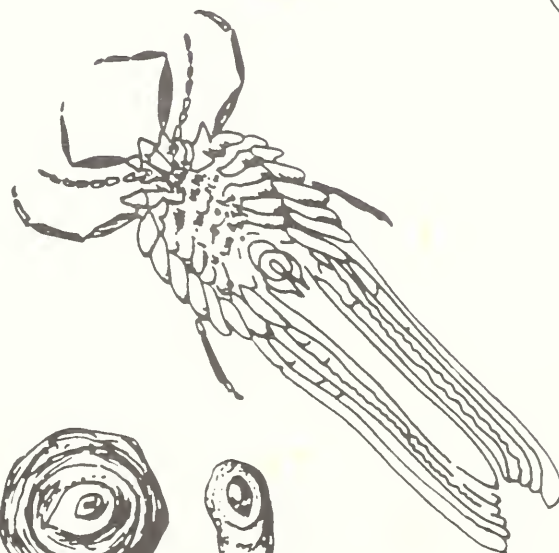
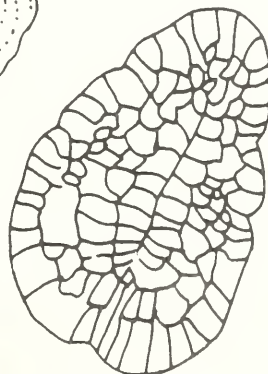
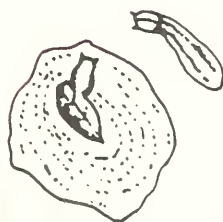
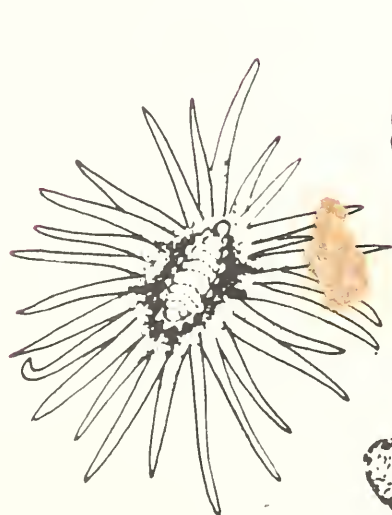


6/1

COCCIDOLOGIST'S NEWSLETTER



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Editor's Notes

I suspect that most of you are thoroughly amazed to see another Coccidologist's Newsletter so soon after Volume V. I am as surprised as you are.

Many of you have taken the time to fill out the form on page 30 of Volume V. For those of you who have neglected to complete this form, this is a reminder that your name will be removed unless it is returned to me by May 1, 1980.

If you did not receive this form please contact me and I will send a copy.

For those of you who think you may be missing an issue of the Newsletter, a list of those in existence is as follows:

Volume V(1) - September 1979

Volume IV(1) - March 1976

Volume II(1) - December 1974

Volume I(2) - December 1973

Volume I(1) - February 1973

Note that there is no Volume III. There is now a total of six numbers.

A List of Coccoidean Species Deposited
In the United States National Museum
(Natural History), Beltsville, Maryland

Part IV

by M. B. Stoetzel and D. R. Miller

Systematic Entomology Laboratory, IIBIII, Agricultural
Research, Sci. & Educ. Admin., USDA, Beltsville, MD 20705

Part I - The Diaspididae was published in December 1974 in volume II of the "Coccidologists Newsletter"; Part II - The Coccidae was published in March 1976 in volume IV; Part III - Miscellaneous families was published in September 1979 in volume V. This part includes those species with specific epithets beginning with k-z that are included in one of the following: Acleridae, Asterolecaniidae, Beesoniidae, Cerococcidae, Conchaspididae, Dactylopiidae, Eriococcidae, Halimoccidae, Kermesidae, Kerriidae, Lecanodiaspididae, Margarodidae, Ortheziidae, Phenacoleachiidae, Phenicococcidae, Pseudococcidae, and Stictococcidae.

The collection includes the following:

Family	No species entries	No. slides	No. boxes
Aclerodidae (Ac)	41	431	61
Asterolecaniidae (As)	169	2,513	932
Beesoniidae (B)	1	6	1
Cerococcidae (Cer)	35	323	0
Coccidae	587	24,321	6,339
Conchaspidae (Con)	20	275	54
Dactylopiidae (D)	7	194	52
Diaspididae	1,407	62,412	16,243
Eriococcidae (E)	218	1,321	552
Halimococcidae (H)	4	155	4
Kermesidae (Kerm)	20	145	241
Kerriidae (Kerr)	55	466	218
Lecanodiaspididae (L)	48	580	79
Margarodidae (M)	200	2,162	1,102
Ortheziidae (O)	72	1,304	238
Phenacoleachiidae (Phena)	1	5	2
Phenicococcidae (Ph)	5	36	5
Phenicococcidae (P)	752	36,431	2,350
Stictococcidae (S)	5	36	5
Total	3,655	133,667	28,514

Abbreviations for the various stages are:

am = adult male

c = first instar

i = immature other than first instar

The type abbreviations are:

a=allotype

c=cotype

h=holotype

hm=homotype

L=lectotype

p=paratype

pL=paralectotype

s=syntype

t=type

tm=type material

to=topotype

-K-

	kaki Kuwana, Eriococcus	E	13 c
	kalmiae Ferris, Cerococcus	Cer	30 am, c, i
	karroo Brain, Tachardina	Kerr	8(1t, 3p)
	keiferi McKenzie, Spilococcus	P	7 i
	kelloggi (Ehrhorn & Cockerell), Radiococcus	P	75
2(1t)	kemptoni Parrott, Eriococcus	E	11(2c)
2	kenyae (LePelley), Planococcus	P	10(4p)
1	kewensis (Newstead), Colobopyga	Ph	41 c, i
	kikuyuensis James, Pseudococcus	P	1
20(1c, 1t)	kingi Cockerell, Kermes	Kerm	7 c
4(1c, 1t)	kingii (Cockerell), Pseudococcus	P	18(1c, 6t)

	kiritschenki Jakubski, Porphyrophora	M	2
	koebeleri (Cockerell), Cerococcus	Cer	8(L,3pl) c
	koebeleri Maskell, Icerya	M	1(lc)
	koebeleri (Ehrhorn), Puto (=P. mexicanus)	P	1(lt)
	kondarensis (Borchsenius), Eriococcus	E	1
	kondonis Kuwana, Rhizoecus	P	9(2to)
9	krauniae (Kuwana), Planococcus	P	31(3hm)
	kusaiensis Beardsley, Pseudococcus	P	2(h)

-L-

12	lacca (Kerr), Tachardia	Kerr	30 c
1(lp)	lacrimula Russell, Asterolecanium	As	3(h,lp) c
	laeliae McConnell, Aclerda	Ac	7(lt,lp,itm)
1	laevigatus (Maskell), Eriococcus	E	5
3	lagerstromiae Kuwana, Eriococcus	E	7
	laingi Jakubski, Eumargarodes	M	48(lp) c, i
1(lt)	lampas Cockerell, Halimococcus	H	53(6t) am, c, i
	landoi (Balachowsky), Pseudococcus	P	22
	lanigerus Fuller, "Dactylopius"	P	1
1(lc)	lanosa Hempel, Pseudocapulinia	E	5(5c)
	largum Russell, Asterolecanium	As	2(h,lp)
1	larreae Parrott & Cockerell, Eriococcus	E	5(lt)
	larreae Ferris, Spilococcus	P	5(lp) i
24(lt)	larreae (Comstock), Tachardiella	Kerr	60(4t) c
	lasii (Cockerell), Dysmicoccus	P	19(lt,2c)
	lasiorum Cockerell, Orthezia	O	6(lt) i
	lasiorum (Cockerell), Puto	P	10(lt) i
1(lc)	lata Hempel, Conchaspis	Con	2(2c) am
	latebrosus Hoy, Tolypecoccus	E	1
	laticribellum McKenzie, Puto	P	1
	latipes DeLotto, Pseudococcus	P	1(lp)
1	latus (Hambleton), Rhizoecus	P	3(h,2p)
3(lp)	launeae Russell, Asterolecanium	As	3(h,lp) c
	laureliae Miller & Gonzalez, Exallococcus	E	1(lp)
1	leachii (Westwood), Drosicha	M	2 am
	leaii (Fuller), Casuarinaloma	E	2(2t)
1	lectularius Maskell, Lachnodius	?	
3(2t)	ledi (Cockerell), Nipaecoccus	P	3(2t,ltm)
4(4t)	leguminicola Morrison, Eriococcus	E	7(lt) c
	leonardii Silvestri, Trabutina	P	3
1(lc)	lepagei Hempel, Conchaspis	Con	3(lc,2tm)
2	lepelleyi Betrem, "Pseudococcus"	P	12
	leptospermi (Maskell), Callococcus	As	6
4(lc)	leptospermi Maskell, Eriococcus	E	14
	leptospermi (Maskell), "Ripersia"	E(?)	4
	leucosomus (Cockerell), Rhizoecus	P	18(1L,5pL)
	leveri (Green), Paraputo	P	5c
13(2t,lc)	lichtensioides (Cockerell), Amonostherium	P	48(2t) am
1(lc)	lidgetti (Cockerell), Eriococcus	E	1(lc)

45(1t)	lilacinus (Cockerell), Planococcus	P	77(4t)
	lingnani (Ferris), Planococcoides	P	4(1p)
	lithocarpi Takahashi, Lecaniodrosicha	M	1
1	litsea Kuwana, Asterolecanium	As	6
	littoralis Cockerell, Icerya	M	26(5t) am
	littoralis (James), Tridiscus	P	1(1c)
2(2t)	littoralis mimosae Cockerell, Icerya	M	4(c)
1(1c)	littoralis tonilensis Cockerell, Icerya	M	1(1c)
	lobulatus (Maskell), Pseudococcus	P	1
	lombokanus Lambdin & Kosztarab,		
	Proraleococcus	L	1(h)
	longipes Beardsley, Chlorococcus	P	2(2p)
	longipes Hempel, Orthezia	O	1(1c)
	longipilosus DeLotto, Trionymus	P	5(5p)
	longisetosa Newstead, Icerya	M	1
	longisetosus Ferris, Pseudococcus	P	4(1p)
	longispinus Beardsley, Nipaecoccus	P	1(1p)
	longispinus (Targioni-Tozzetti),		
	Pseudococcus	P	1089 am, c, 1
	longissimus DeLotto, Trionymus	P	1(1p)
1(1p)	longulum Russell, Asterolecanium	As	5(h) c
	longulum DeLotto, Diversicrus	P	1(1p)
4(1t)	longum (Green), Asterolecanium	As	12(2c) c
	loranthi (Strickland), Cataenococcus	P	2
	loranthi Morrison, Macrocepococcus	P	21(L,5pL) am, c,
	lotearum McKenzie, Phenacoccus	P	2(1p)
1	lounsburyi (Brain), Chorizococcus	P	36
1(1c)	luciliae Hempel, Erium	P	2(2c)
2(1p)	luteolum Russell, Asterolecanium	As	5(h,3p) c
	lycii (Ferris), Phenacoccus	P	2
7	lycii Leonardi, Tachardiella	Kerr	7c
	lycopersici Ezzat & McConnell,		
	Paracoccus	P	6(h,5p)
	lycopodii Beardsley, Pseudococcus	P	2(2p)

-M-

1(1p)	machili Russell, Asterolecanium	As	2(1,1p)
	mackenziei Beardsley, Dysmicoccus	P	11(1p) i
	mackenziei Ezzat, Humococcus	P	2(h, 1p)
	mackenziei Miller, Ovaticoccus	E	1(1p)
3	macrocarpae (Coleman), Xylococcus	M	15 am, c, i
	macrocirculus Beardsley, Pseudococcus	P	3
	macswaini McKenzie, Pseudococcus	P	1(1p)
1(1t)	maculatus (Maskell), Madarococcus	E	2
	madagascariensis Mamet, Conchaspis	Con	1(1p)
4	maderiensis Green, Phenacoccus	P	13
	magna Brain, Lecanodiaspis	L	4(3pL,1tm)
	magnani Brethes, Colobopyga	Ph	1
1	magnolicida von Ihering, "Dactylopius"	P	1
	magnus (Cockerell & Cockerell),		
	Trionymus	P	5(1L,4pL)
1	malaboda Green, Lecanodiaspis	L	1
	malacanthae Strickland, Tylococcus	P	1(1p)

1	malaitensis (Cockerell), Maculicoccus	P	6(2c)
	mali Ezzat & McConnell, Planococcus	P	4(h,2p)
	mallyi (Brain), Misericoccus	P	4(1t,2p)
	malvastrus McDaniel, Heliococcus (=F. virgata)	P	1(1p)
	mameti Ben-Dov, Conchaspis	Con	1
3	mamillariae (Bouche), Pseudococcus	P	2
	mancus (Maskell), Eriococcus	E	2
4(1t)	mangiferae (Green), Drosicha	M	13(1t) am
	mangiferae (Green), Rastrococcus	P	6
	mangrovicus Ben-Dov, Crisicoccus	P	1(1p)
	manni McConnell, Aclerda	Ac	15(1t,1p) i
1(1t)	maritima Green, Antonina	P	1(1c)
	maritimus Danzig, Heliococcus	P	2(2p)
198	maritimus (Ehrhorn), Pseudococcus	P	1123(4t) am, i
	maritimus (Cockerell), Rhizoecus	P	17(L,2pL)
	markhamiae DeLotto, Cataenococcus	P	1(1p)
30(1c,1t)	marlatti Cockerell, Phoenicococcus	Ph	274(1t,3c) am, c, i
3	maroccana Balachowsky, Bouhelia	P	28
	marshallensis Beardsley, Pseudococcus	P	5(h)
	marylandica McConnell, Aclerda	Ac	18(1t,14p)
	maskelli (Cockerell), Drosicha	M	1(1c)
	maskelli Froggatt, Opisthoscelis	E	4
1	masuii Kuwana, Asterolecanium	As	3
	matsumotoi (Shiraiwa), Crisicoccus	P	9
4	matsumurae (Kuwana), Matsucoccus	M	27 am
1	maxima Newstead, Icerya	M	4 c
9(4t)	maximum Lounsbury, Aspidoproctus	M	24(6t,2tm) am, c, i
	mayanus (Hambleton), Rhizoecus	P	16(h,13p)
	mcdanieli (Hollinger), Dysimococcus	P	10 c
	macdanieli McKenzie, Paradoxococcus	P	50(1p) i
	media Borschensius, Drosicha	M	3
3(1c)	mediterraneus Silvestri, Margarodes	M	5(2c)
1(1p)	medium Russell, Asterolecanium	As	6(h) c, i
	megacirculus McKenzie, Distichlicoccus	P	4(1p)
	megasetosus MdKenzie, Pseudococcus	P	1(1p)
	melaleucae Fuller, Ascelis	E	3 am
4(1t)	melaleucae (Maskell), Austrotachardia	Kerr	10(1t) am, c
3	melaleucae (Fuller, Lecanodiaspis	L	15(L,3pL,2t,2tm)
	mendiculus Ferris, Pseudococcus	P	1(1to)
2(2p)	mendozae Morrison, Eriococcus	E	3(1t,2c)
	meridionalis (Morrison), Dimargarodes	M	87(h) am, c, i
	meridionalis Gomez-Menor, Phenacoccus	P	12
	meridionalis Chamberlin, Tachardia	Kerr	1(1p)
	merwei Brain, Calycicoccus	E	5(1t,4p)
1(1c)	mesuae Green, Amorphococcus	As	1
	metroxyli Reyne, Leptococcus	P	18 am, c, i
	mexicana McConnell, Aclerda	Ac	16(1t,14p,1tm) c
1(1p)	mexicana Morrison, Orthezia	O	3(h,2p)
35	mexicana (Cockerell), Tachardiella	Kerr	53 c
11(1t,3c)	mexicanorun (Cockerell), Llaveia	M	23(2t,2c) c, 1
	mexicanus Miller & McKenzie, Cataenococcus	P	2(2p)
	mexicanus Ezzat & McConnell, Paracoccus	P	1(h)

6(1c)	mexicanus (Cockerell), Puto	P	139 am, i
	mexicanus (Hambleton), Rhizoecus	P	1(h)
2(1c)	mexicanus (Cockerell & Parrott)		
	Steatococcus	M	9(1c) c
	microadonidum Beardsley,		
	Pseudococcus	P	8
	microcirculus McKenzie, Pseudococcus	P	215
	microcribraria Froggatt,		
	Lecanodiaspis	L	2(2tm)
	microporus McKenzie, Chorisococcus	P	5(1t,2p)
	migrans (Green), Capitisetella	P	1
36	miliaris (Boisduval), Asterolecanium	As	79(2t) i
52	miliaris robustum Green,		
	Asterolecanium	As	70(2t) c
	milleri McKenzie, Phenacoccus		
	(=P. eschscholtziae)	P	1(1p)
	milleri McKenzie, Scaptococcus	P	3(2p)
7	mimicum Russell, Asterolecanium	As	14(h) am, i
	mimicus KcKenzie, Puto	P	4(2p)
2	mimosae (Maskell), Lecanodiaspis	L	19 i
1(1p)	minima Morrison, Icerya	M	5
1(1p)	minima Morrison, Newsteadia	O	12(h,9p)
1(1t)	minima Tinsley & King, Ripersia		
	(=P. flaveolus)	P	6(2t)
8(1to)	minimus Tinsley, Phenacoccus	P	16(1t,2c,1to)
	minor (Froggatt), Apiomorpha	E	2
	minor Green, Naiacoccus	P	1
	minor DeLotto, Octococcus	P	1(1p)
1(1p)	minor Morrison, Orthezia	O	1(h)
	minor Brain, Tachardina	Kerr	4(1t,3p) c
19	minus Lindinger, Asterolecanium	As	86(1t) c
10	minusculum Russell, Asterolecanium	As	18(h) am, i
5	minuta (Morrison), Tachardina	Kerr	13(h,2tm)
11	minutum Takahashi, Asterolecanium	As	13 c
1	minutus Hempel, Trionymus	P	3
4(1t)	mirabilis (Cockerell),		
	Aspidoproctus	M	19(3t) am, c
	mirabilis (Brain), Hypogeococcus	P	3(1t,2p)
1	miscanthi Takahashi, Pilococcus	P	2
1(1t)	missionum Cockerell, Pseudococcus	P	3(2tm)
	missourii Hollinger, Eriococcus	E	10
	miyasakii Kuwana, Kermes	Kerm	1
	mocus Ferris, Trionymus	P	3
	modocensis (Ferris), Trionymus	P	3
1(1p)	molinarii Morrison, Orthezia	O	2(h)
	mollis DeLotto, Dysmicoccus	P	2(2p)
2	monophyllae McKenzie, Matsucoccus	M	49(h,2t,8p) am, c, i
	montanus Ehrhorn, Pseudococcus	P	5
2(1c,1t)	monticola Cockerell, Orthezia	O	4(1c,1t)
62(8t)	montserratensis Riley & Howard,		
	Icerya	M	121(2t) am, c, i
1	mori Lobdell, "Trionymus"	P	4

8	morrilli (Cockerell), Steatococcus	M	47(4t) c
	morrisoni Lepage, Aculeococcus	E	1
	morrisoni Ezzat & McConnell,		
	Allococcus	P	6(h) i
	morrisoni (Hollinger), Dysmicoccus	P	29(2tm)
	morrisoni Takahashi, Lecanodiaspis	L	1(1pL)
	morrisoni McDaniel, Margarodes	M	2(h,1p)
	morrisoni McKenzie, Pygmaecoccus	P	1(1p)
4	morrisoni Fuller, Sphaerococcus	P	3(3t)
1(1t)	morrisonii (Brittin), Paracoccus	P	3(1tm)
	multiductus Beardsley, Pseudococcus	P	1(h)
	multiductus (Beardsley),		
	Pseudotrionymus	P	3(3p)
	multiorbis Ferris, Tridiscus	P	2
1(1t)	multiporum Green, Asterolecanium	As	2(1tm)
	multisetosus McKenzie, Phenacoccus	P	9(2p)
	multispinosa James, Paraputo		
	(=P. anomala)	P	3(3c)
3	multispinosus Morrison, Farinococcus	P	10(h,2p)
1(1c)	multispinosus Newstead,		
	Parastictococcus	S	7
1(1c)	multispinus (Maskell), Eriococcus	E	4
	multivorus Kiritchenko, Pseudococcus	P	1
5	munita (Schrader), Apiomorpha	E	4
	muraltiae (Brain, Paracoccus	P	5(1t,4p) c
	muratae (Kuwana), Asterococcus	Cer	13(4c) c, i
	mutabilis DeLotto, Paracoccus	P	1(1p)
7(4p)	myersi Morrison, Mixorthezia	O	8(h,6p)
	myersi McKenzie, Trionymus	P	2(1p)
2	mysorensis Mahdihassan, Tachardia	Kerr	2
1	nagoliensis (Mahdihassan), Tachardia	Kerr	1
5(2c)	nakagawae Kuwana, Kermes	Kerm	1
	nana DeLotto, Natalensia	P	1(1p)
	nanus Cockerell, Trionymus	P	1(1t)
4	natalensis (Douglas), Crypticerya	M	10
	natalensis Brain, Lecanodiaspis	L	5(4pL)
1	natalensis Brain, Pseudococcus		
	(=N. graminis)	P	5(1t) am
	nativus (Parrott), Ovaticoccus	E	1(1t)
	navarinoensis Hoy, Eriococcus	E	5
1(1t)	neglecta (Cockerell), Oregmopyga	E	10(L,2pL)
	nemoralis (Hambleton), Rhizoecus	P	26(h,25p)
	neobrevipes Beardsley, Dysmicoccus	P	66(h,4p,1tm)
	neomaritimus Beardsley, Pseudococcus	P	12(h,1p)
2	neomexicanus (Tinsley), Chorisococcus	P	7(4t)
	neostangei Miller & McKenzie,		
	Rhizoecus	P	1
	nepalensis Varshney, Kerria	Kerr	1(1p)
1(1t)	nevadense Balachowsky, Asterolecanium	As	2(2t) c
3(2p)	newcomeri Morrison, Orthezia	O	8(h,2p) am
4(1t,1c)	newsteadi Cockerell, Conchaspis	Con	18(4c,3t)
	newsteadi (Brain), Promargarodes	M	2(1t,1p)

1	newsteadi (Green), Trionymus	P	1
5	niger (Green), Neomargarodes	M	9 c, i
5(2t)	nigra Townsend & Cockerell, Austrotachardiella	Kerr	3(3t) c
	nigritulus DeLotto, Planococcus	P	3(3p)
1(1c)	nigroareolata Newstead, Icerya	M	2(2c)
3(1c)	nigrocincta Cockerell, Orthezia	O	17(3c) c, i
	nigropilata Ferris, Sishania	M	1
12	nigropunctatus Ehrhorn & Cockerell, Kermes	Kerm	3
185	nipae (Maskell), Nipaecoccus	P	575(1c) am
1	nitidalis Hambleton, Rhizoecus	P	11(h,8p) am
2(1p)	nitidum Russell, Asterolecanium	As	3(h,2p)
	nitidus Brain, "Pseudococcus"	P	4(1t,1p)
2(1t)	nivalis King & Cockerell, Kermes	Kerm	1 c
	nivalis (Maskell) Phenacoccus	P	1(?)
	njalensis (Laing), Phanococcoides	P	7
	nortoni Parrott & Cockerell, Antonina	P	33(1c,1t) am, i
1(1p)	notabile Russell, Asterolecanium	As	3(h,1p)
	notatum Lambdin, Asterolecanium	As	2(h,1p)
	nothofagi Miller & Gonzalez, Icelococcus	E	1(1p)
	nuda (Green), Crypticerya	M	1
1	nuda Ferris, Orthezia	O	3 c
	nuda James, Ripersia	P	1(1c)
3	nudatus (Maskell), Steatococcus	M	8 c
10	nudus (Green), Heterococcus	P	76 am, c, i
	nudus Ferris, Pseudococcus	P	2
	nulliporus McKenzie, Puto	P	2(1p)

-0-

	oahuensis (Ehrhorn), Phyllococcus	P	6 am
	oamaruensis Brittin, Pseudococcus (=C. arecae)	P	1(1c)
	oaxacaensis McConnell, Aclerda	Ac	1(1p)
2(2p)	oaxacoensis Morrison, Llaveia	M	6 am
	obesa DeLotto, Londiania	P	1(1p)
1(1p)	obesus (Lobdell), Dysmicoccus	P	8(1p)
1(1p)	oblongum Russell, Asterolecanium	As	3(h,2p)
	oblongus DeLotto, Trionymus	P	1(1p)
2	obscura (Parrott), Aclerda	Ac	10(1c)
2(2p)	obscura Morrison, Nipponorthezia	O	57(h,11p)
6	obscuratus Maskell, "Sphaerococcus"	"E"	8
	obscurus Essig, Pseudococcus	P	225 am
2(2c)	obtectus (Maskell), Trionymus	P	2
	obtusispinus (Reyne), Sangicoccus	E	3
20	occidentalis Douglas, Arctorthezia	O	37(1p) c, i
	occidentalis Morrison, Heterococcus (=H. nudus)	P	4(4tm)
	occiduus DeLotto, Pseudococcus	P	2(2p)
	oligopora Munting, Tachardina	Kerr	2(2p)
	oligostigma DeLotto, Kuwania	M	1(1p)

1	olivacea Cockerell, Orthezia	O	4(2t)
2(1c)	olivaceus (Cockerell), Cataenococcus	P	29(3c, 1t)
3	onukii Kuwana, Eriococcus	E	12(1c)
	opuntiae Cockerell, Dactylopius	D	5(L, 1s)
	oracelloides DeLotto, Distichicoccus	P	1(1p)
1(1p)	oraniae Russell, Asterolecanium	As	3(h, 1p) am, c
	orchidarum Mamet, Conchaspis	Con	13(1t, 3p)
	orchidicola McConnell, Aclerda	Ac	1(h)
	orchidicola Takahashi, Pseudococcus	P	26
	orcinus DeLotto, Phenacoccus	P	1(1p)
2(1p)	ordinarium Russell, Asterolecanium	As	5(h, 2p) i
	oregonensis Ferris, Anisococcus	P	9
	orientalis Danzig & Ivan, Balanococcus	P	1(1p)
	ornatus Green, Cerococcus	Cer	2
	ornatus (Green), Rastrococcus	P	6
	ornatus (Hambleton), Rhizoecus	P	2(h, 1p)
	orophilus DeLotto, Peliococcus	P	2(2p)
1(1t)	ortheziodes (Cockerell), Puto	P	1(1t)
	oryzae Green, Ripersia		
	(=B. rehi)	P	1(1tm)
1(1t)	osbeckiae Green, Eriococcus	E	1
	osborni (Sanders), Heliococcus	P	46(2t)
	othnius Miller & McKenzie,		
	Hypogeococcus	P	8(h, 6p)
4(3t)	ovatus Hempel, Tectococcus	E	6(2c)
	ovicola (Schraeder), Apiomorpha	E	1
1	ovilla Green, Walkeriana	M	2 c
	ovoides (Cockerell), Asterococcus	Cer	12(1c, 2t) c
-P-			
	pacificus McKenzie, Puto	P	6(1p) i
	paenulatus Ferris, Eriococcus	E	2
	painei (Laing), Laingiococcus	P	2
1	palavanica Cockerell, Drosicha	M	
3(2c)	palestinae (Hambleton), Rhizoecus	P	3(3c)
2	pallidum Russell, Asterolecanium	As	3(h, 1p)
	pallidus Maskell, Eriococcus	E	2
2(1t)	palmae Cockerell, Asterolecanium	As	22(1t)
	palmarum (Ehrhorn), Palmicultor	P	31(2t) am
1(1t)	palmeri Cockerell, Eriococcus	E	3(3t)
9(2t)	palmeri Riley & Howard, Icerya	M	45(1t) c
	paludinus (Green), Atrococcus	P	1(1tm)
	palustris Dodds, Eriococcus	E	2(2p)
	pandani (Cockerell), Laminicoccus	P	38(2t)
5	pandani Stickney, Thysanococcus	Ph	92(h, 5p, 48t, 31tm)
	pandani Takahashi, "Trionymus"	P	2(2tm)
	pandanicola (Takahashi),		
	Turbinococcus	P	2
	papillosus (Green), Dimargarodes	M	1 am
1(1t)	papillosus Morrison, Eriococcus	E	2(1t)
	paradoxus (Maskell), Cerococcus	Cer	1

1(1p)	parahybensis Hempel, Cerococcus	Cer	3
	parkeri Morrison, Orthezia	O	2(h)
	parkeri McKenzie, Spilococcus	P	3(1p) am
	parkerorum Miller, Ovaticoccus	E	1(1p)
1	parrotti (Cockerell), Antoninoides	P	34(1t) 1
	parrotti (Hunter), Cerococcus	Cer	33 am, i
3(3p)	parthenii Howell & Kosztarab, Lecanodiaspis	L	23(h,5p,17tm)
4(2t,1c)	parva (Hempel), Tachardiella	Kerr	9(4t,1c) c
	parvispina (Chaffin), Oregmopyga	E	2(2c)
1(1p)	parvum Russell, Asterolecanium	As	2(h,1p) i
	parvus (Borchsenius), Chnaurococcus	P	1
3	parva (Maskell), Kuwana	E	24
5(1t)	parvus Morrison, Phenacoccus	P	35(h,4p)
1(1t)	pasaniae Kuwana & Cockerell, Asterolecanium	As	4(2t)
	pasquieri Balachowsky, Aclerda	Ac	6
	passerini Brain, Cerococcus	Cer	2(1t)
	patulae (Rau), "Dysmicoccus"	P	1
7(3p)	paucicicatrices Morrison, Matsucoccus	M	81(h,23p) am, c, i
	paucispinus Ferris, Eriococcus	E	1(1p)
	pauculus DeLotto, Phenacoccus	P	1(1p)
	pauperatus Ferris, Phenacoccus	P	1
	pecosensis Ferris, Symmococcus	P	8
	peleae (Beardsley), Chlorococcus	P	3(3p)
8(1p)	penicillatum Russell, Asterolecanium	As	12(h) am, i
	peninsularis (Ferris), Oregmopyga	E	1(1p)
	perforatus (DeLotto), Maconellicoccus	P	3(3p)
3	pergandei Cockerell, Phenacoccus	P	24(3t)
4(1t,1c)	pergandei Cockerell, Porococcus	P	3(2t)
	peringueyi (Brain), Promargarodes	M	4(1t,2p)
1(1p)	perplexum Russell, Asterolecanium	As	5(h,2p) c
4(1t,2c)	perplexus Hempel, Eriococcus	E	4
	perprocerus DeLotto, Rhizoecus	P	1(1p)
1	perrisii (Signoret), Trionymus	P	1
1	pertinax (Newstead), Aspidoproctus	M	
2(2p)	peruviana Morrison, Paraceolostoma	M	9(h) c, i
1(1t)	petiolicola Morrison, Ripersia	P	3(h,2p)
5	petrophilae (Fuller), Asterolecanium	As	8 am, i
17	pettiti Ehrhorn, Kermes	Kerm	6
	pharetrata (Schrader), Apiomorpha	E	7
	philippinensis Ezzat & McConnell, Planococcus	P	10(h,7p) c
2(1t)	philippinensis (Morrison), Eriococcus	E	4(h,2p)
2	phoenicis Rao, Asterolecanium	As	5
	phoradendri (Cockerell), Cataenococcus	P	4(L,3pL)
	phragmitis (Marchal), Chaetococcus	P	36
1	phragmitis Hall, "Ripersia"	P	1
	phylicae Mamet, Conchaspis	Con	1
2	phyllanthi (Green), Drosichiella	M	3
2(1c)	phyllocladi Maskell, Eriococcus	E	3

3	pileata (Schrader), Apiomorpha	E	4
4(1t)	pilosa (Maskell), Ceolostomidia	M	6(2c)
2(1t)	pilosa Green, Icerya	M	7 am, i
	pilosa Jakubski, Neomargarodes	M	2
	pilosellae Sulc, Ceroputo	P	3
2	pilosior (Maskell), Monophlebulus	M	5
	pilosus Ezzat & McConnell,		
	Crisicoccus	P	1(h)
1(lp)	pinangae Russell, Asterolecanium	As	17(h) am, i
	pinguis DeLotto, Paracoccus	P	1(1p)
3	pini (Kuwana), Crisicoccus	P	37
	pini Green, Matsucoccus	M	3
	pini Morrison, Orthezia	O	3(3p)
2(1to)	pinicola (Kuwana), Drosicha	M	5 am, c, i
	pinicola Morrison, Orthezia	O	2(h) c
	pinicolus McKenzie, Dysmicoccus	P	8
1	pipturi Ehrhorn, Nesococcus	P	2
3(1t)	pirogallis (Maskell), Eremococcus	As	10(6c)
	pisiformis Froggatt, Opisthoscelis	E	7
	pittospori Ferris, Eriococcus	E	3
1	placida (Green), Greenisca	E	2
7	platani Ferris, Stomacoccus	M	19(3p) am, i
	platynotum Beardsley, Sphaerococcopsis	E	3(3p) i
	plucheae (Cockerell), Steatococcus	M	2(2t)
	poae (Maskell), Pseudantonina	P	3
1	poensis (Hambleton), Rhizoecus	P	3(h,2p)
2(1c)	poleii (Green), Labioproctus	M	13(6c) am, c
9	pollini (Costa), Pollinia	As	37 c
1	polonica (Linnaeus), Porphyrophora	M	8 am, c, i
	polymeris Miller & McKenzie,		
	Dysmicoccus	P	1(1p)
	polyporus McKenzie, Chorizococcus	P	11(4p)
	polyporus Hall, Trionymus	P	1
	popayanensis Balachowsky, Eriococcus	E	1
2	porterae (Cockerell), Humococcus	P	10(1t)
64	praelonga Douglas, Orthezia	O	140 am, c, i
	praemollis Schrader, Ascelis	E	2
	pretiosa Ferris, Antonina	P	34 c
	pricei McKenzie, Puto	P	2(1p)
	prieskaensis Jakubski, Sphaeraspis	M	4
5(2t)	primitiva (Townsend), Protortonia	M	8 am
	pristina DeLotto, Standanna	P	1(1p)
1	pritchardiae (Stickney), Colobopyga	Ph	41(h,5p,34t)
	pritchardi McKenzie, Rhizoecus	P	25(4p)
1(1p)	proboscidis Russell, Asterolecanium	As	3(h,2p) i
24(6p)	probrevipes (Morrison), Dysmicoccus	P	45(h,12p) c
	prodigialis (Ferris), Coccura	P	1
	prolatus DeLotto, Trionymus	P	1(1p)
7	prosopidis (Maskell), Lecanodiaspis	L	339 c, i
8(2t)	prosopidis (Cockerell), Spilococcus	P	20(3t) i
	proteae Giliomee & Munting,		
	Asterolecanium	As	5(5p) am

	proteae (Hall), Paracoccus	P	4
	protrudens Munting, Tachardina	Kerr	3(3p)
	proximus Green, Pseudorhizoecus	P	10
9(8p)	pseudinsignis Morrison, Orthezia	O	71(h,13p)
1(1p)	pseudoccidentalis Morrison, Arctorthezia	O	17(h)
7(4p)	pseudograminis Morrison, Orthezia	O	15(h,9p) c
2(1t)	pseudolanceolatum Takahashi, Asterolecanium	As	4 am
	pseudomiliaris Green, Asterolecanium	As	70(2t,2tm) i
	pseudonipae Cockerell, "Dactylopius" (=N. nipae)	P	4(4t)
	psoraleae McKenzie, Chorizococcus	P	2
1(1p)	psychotriae Russell, Asterolecanium	As	4(h,1p)
91	pubescens Bogue, Kermes	Kerm	52 am, c, i
6	pulchellus (Maskell), Callococcus	As	11(1c)
1(1c)	pulchellus (Maskell), Madarococcus	E	1
13	pulcher (Leonardi), Icerya	M	26 i
	pulcherrimus (DeLotto), Mombasinia	P	2(2p)
	pulverarius (Newstead), Brevennia	P	3
	pulvinata (Planchon), Nidularia	E	2
	punctiferus (Green), Cerococcus	Cer	8(2c) c
3	pundaluoya Green, Nietnera	M	3c, i
261	purchasi Maskell, Icerya	M	631 am, c, i
1(1t)	purchasi crawii Cockerell, Icerya	M	2(2t)
1(1t)	purchasi maskelli Cockerell, Icerya	M	1(1t)
1	purpurea Signoret, Antonina	P	23 am, c, i
3(1p)	pusillum Russell, Asterolecanium	As	5(h,2p)
	pusillus (DeLotto), Chorizococcus	P	5(1p)
166(1c)	pustulans (Cockerell), Asterolecanium	As	409(3c) i
1	pustulans Green, Sphaerococcus	P	1
	pustulans sambuci Cockerell, Asterolecanium(=A. pustulans)	As	4(4t)
	pustulans seychellarum Green, Asterolecanium(=A. pustulans)	As	3(3c)
7	pustulata Cockerell, Tachardiella	Kerr	11(4t) c
1(1t)	pustulatus (Maskell), Eriococcus	E	1(1t)
13(1p)	puteum Russell, Asterolecanium	As	41(h,2p) am
	pygaemus DeLotto, Trionymus	P	1(1p)
	pyramidensis Ezzat, Phenacoccus	P	1(h)

-Q-

	quadricirculus McKenzie, Trionymus	P	5(1p)
2(1p)	quadrisetosum Russell, Asterolecanium	As	7(h,1p) c
	quadrua Ferris, Orthezia	O	1
1(1p)	quaesitum Russell, Asterolecanium	As	4(h,3p) am, i
	quaesitus Brain, Pseudococcus	P	9(1t,3p) am
1(1t)	quaintancii (Tinsley), Ferrisia	P	13(5t)
21	quercicola (Bouche), Asterolecanium	As	88 i
	quercicola Ferris, Beesonina	B	5(5tm)
	quercicolus (Ferris), Dysmicoccus	P	1

	quercinus McKenzie, Spilococcus	P	2
	quercus (Ehrhorn), Anisococcus	P	2
	quercus Comstock, Cerococcus	Cer	53(3t) c, i
56(4t)	quercus (Comstock), Eriococcus	E	68(1t,1c) am, c, i
4	quercus (Kuwana), Kuwania	M	33(2c)
9	quercus Cockerell, Lecanodiaspis	L	14(4tm)
3(1t,1c)	quercus (Ehrhorn), Xylococcus	M	3(1c)
	quercus gilensis Cockerell,		
	Eriococcus (=E. quercus)	E	1(1t)

-R-

	racemus McKenzie, Dysmicoccus	P	1(1p)
	radiata Cockerell, Lecanodiaspis		
	(=L. prosopidis)	L	2(2tm)
1(1p)	radiatum Russell, Asterolecanium	As	1
16(2p)	radicicola Morrison, Ripersia	P	38(h,25p)
1	radicum Green, Geococcus	P	3
2(1t)	raithbyi Maskell, Eriococcus	E	2
	rappardi Reyne, Hippeococcus	P	3
3(1t)	rattani Ehrhorn, Kermes	Kerm	1
	raui Miller, Heterococcus	P	7(h,6p)
	reducta (Ferris), Chorizococcus	P	1
2	refertus (Ferris), Pseudotrionymus	P	2(1to) am
	rehi (Lindinger), Brevennia	P	38
2(1p)	repugnans Russell, Asterolecanium	As	2(h,1p)
	resinosae Bean & Godwin, Matsucoccus	M	29(1t) am, c, i
2	reynei (Laing), Mixorthezia	O	11
	rhadinothrix Miller & Gonzalez,		
	Eriococcus	E	2(2p)
	rhizophilus DeLotto, Trionymus	P	3(3p)
1	rhodeniensis Hall, Porphyrophora	M	3(3tm)
1	rhodomytri Green, Eriococcus	E	2
13(1t)	rileyi Cockerell, Icerya	M	27(1t) c
1(1t)	rileyi larreae Cockerell, Icerya	M	3
24	rileyi Giard, Margarodes	M	26 c, i
4	rimulae Green, Erioides	P	6
	riowensis Takahashi, Malaicoccus	P	1(1p)
	ripersioides Cockerell & Cockerell,		
	Phenacoccus (=P. rubivorus)	P	1(1t)
2(1p)	roboris Russell, Asterolecanium	As	3(h,1p)
	robustus Ezzat & McConnell,		
	Planococcoides	P	20 am, i
1	rosae Hempel, Austrotachardiella		
	(=A. cydoniae)	Kerr	2(2t) c
48(2t)	rosae (Riley & Howard), Crypticerya	M	126(t) c, i
	roseotinctus (Cockerell & Cockerell),		
	Dysmicoccus	P	2(h) c
1	rostellum (Lobdell), Chorizococcus	P	45 i
3(1t)	rotundata (Cockerell),		
	Austrotachardiella	Kerr	3(1t)
	rotundata James, Ripersia	P	2(2c)
	rotundatus DeLotto, Planococcus	P	2(2p)

	rotundus Kanda, Phenacoccus	P	1
8(2t)	rotundus Morrison, Pseudococcus	P	7(h,2p)
	royenae Brain, Cerococcus	Cer	3(1t)
	ruber Balachowsky, Cerococcus	Cer	2(2t) c
	ruber (Parrott & Cockerell), Spiroporococcus	E	3(1t)
	ruber (Brain), Promargarodes	M	4(1t,3p)
1	rubi Lichtenstein, Tetrura	P	3 am, i
1	rubivorus Cockerell, Phenacoccus	P	14(1t) i
3(3t)	rubra Hempel, Austrotachardiella	Kerr	2(2t) c
1(1t)	rubrocomatum Green, Asterolecanium	As	5(1c,3t,1tm)
15	rufescens (Cockerell), Lecanodiaspis	L	8
	rugosa (Froggatt), Apiomorpha	E	4
6(1c)	rugosa Hempel, Lecanodiaspis	L	4(2t)
	rugosus Maskell, Sphaerococcus	?	5 i
	rugulosus McKenzie, Pityococcus	M	4(1t)
	rumicis (Maskell), Rhizoecus	P	4(1pL)
	russellae Kosztarab & Vest, Cerococcus	Cer	3(h,2p)
1(1t)	russellae Howell & Kosztarab, Lecanodiaspis	L	4(h,3p)
1	ryani (Coquillett), Dysmicoccus	P	6(1t)

-S-

	sabilis Russell, Asterolecanium	As	7(h,rp) am, i
	sabilis (Ferris), Colobopyga	Ph	1(1p)
11(1to)	sacchari Teague, Aclerda	Ac	31(1p,1to) c
	sacchari (Green), Kiritschenkella	P	1
1	sacchari Takahashi, Mizococcus	P	1
	sacchari (Cockerell), Saccharicoccus	P	304
	saccharifolii (Green), Phenacoccus	P	4
	saipanensis (Shiraiwa), Dysmicoccus	P	44
	salaris Ferris, Eriococcus	E	2
	salicis Borchsenius, Eriococcus	E	3
	salina (Ehrhorn), Cryptoriperisa (=C. arizonensis)	P	2(2t)
1(1t)	salinus (Cockerell), Distichlicoccus	P	19(3t) am
1(1t)	salisburyensis (Hall), Sphaeraspis	M	6(1tm)
8	sallei Signoret, Capulinia	E	29 am, c, i
	salmianus DeLotto, Dactylopius	D	1(1p)
	salomaceus (Cockerell), "Dysmicoccus"	P	4(2t)
	salsolae (Borchsenius), Eriococcus	E	1
	salviae Miller, Ovaticoccus	E	1(1p)
8(2p)	samaris Morrison, Steatococcus	M	24(h)
	samoana Morrison, Newsteadia	O	5(5p)
1(1c)	sanbernardense Hempel, Asterolecanium	As	1(1c) i
	sandini Washburn, Puto	P	13 am
1(1t)	sanguinea (Cockerell), Drosichoides	M	
	sanguinea Miller, Oregmopyga	E	1(1p)
	santensis Hempel, Aclerda	Ac	3(2tm)
	saratogensis Rau, Eriococcus	E	?
	saratogensis (Rau), Peliococcus	P	1(1p)
9(9p)	sarcobati Morrison, Orthezia	O	35(h) am, c, i

	sardoa Targioni-Tozzetti, Lecanodiaspis	L	6 i
	sasae Shiraiwa, Antonina	P	2
2(1p)	sasae Russell, Asterolecanium	As	4(h,2p) am, i
1(1c)	sassceri King, Kermes	Kerm	1
	sativus James, Trionymus	P	1(1c)
2(2t)	schrottkyi Hempel, Icerya	M	1(1t)
8	scirrosis Russell, Asterolecanium	As	14(h,2p) am, i
	sclerosa Munting, Tachardina	Kerr	2(2p)
1(1p)	sclerotica Morrison, Orthezia	O	3(h)
1(1t)	scrobicularum (Green), Pseudococcus	P	1
9(8p)	secretus Morrison, Matsucoccus	M	54(h,34p) am, c, i
	sedentarius McKenzie, Desmococcus	M	4(1t,2p)
	segnis (Brain), Phenacoccus	P	3(1t,2p)
	selaginellae Morrison, Orthezia	O	6(h,2p)
	selangorae Lambdin, Polea	As	1(h)
4(1t)	semiocculta Maskell, Frenchia	As	4(2c) am, c
1(1p)	semisepultum Russell, Asterolecanium	As	2(h,1p)
	senarius McKenzie, Choricococcus	P	2(2p)
	senarius McKenzie, Ovaticoccus	E	1(1p)
1	senex (Green), Hemaspidopectus	M	
	sequoiae (Coleman), Spilococcus	P	3(1t)
1	serpentinus Green, Naiacoccus	P	5
2(1t)	serrata Tinsley, Ripersia (=N. nipae)	P	2(1t,1tm)
2	serratilobis prominens Green, Eriococcus	E	1
4	serratulae (Fabricius), Gueriniella	M	6 c, i
4	serratus (Ferris), Peliococcus	P	22
	setaria DeLotto, Tridiscus	P	1(1p)
	setosa (Lobdell), Ferrisia	P	2(1p)
2	setosus (Hembleton), Rhizoecus	P	2(h)
59	seychellarum Westwood, Icerya	M	159 am
	shaferi (Hollinger), Choricococcus	P	8 c
	shirakensis Hadzibejli, Orthezia	O	1 (1tm)
3	shiraiwai Kuwana, Eriococcus	E	
6	signoreti (Haller), Ortheziola	O	
4	sikkimensis Atkinson, Pseudopulvinaria	E	3
2(1c)	silvestri Leonardi, Micrococcus	E	3(2c)
4	silvestrii (Mahdihassan), Tachardina	Kerr	7
5(1p)	simile Russell, Asterolecanium	As	14(h,2p) am, i
9(4p)	similis Morrison, Icerya	M	22(h)
4(4p)	similis Morrison, Margarodes	M	1(h)
	simmondsi (Laing), Mutabilicoccus	P	3
	simmondsiae McKenzie, Puto	P	11 c
	simondsii McKenzie, Anthelococcus	P	3(3p)
1(1p)	simplex Russell, Asterolecanium	As	2(h, 1p), i
	simplex Ferris, Discococcus	P	5
1	simplex Maskell, Eriococcus	E	6
	simplex (Hambleton), Rhizoecus	P	11(L,4pL)
	simplicior (Maskell), Sphaerococcopsis	?	3(3pL) i

	simplicis McConnell, Aclerda	Ac	1(1p)
	simulator James, Pseudococcus		
	(=P. burnerae)	P	1(1tm)
	sinaloaensis McConnell, Aclerda	Ac	4(1t,3p)
1	sindica (Mahdihassan), Tachardia	Kerr	2
	sinensis Chen, Matsucoccus	M	13 c, 1
1(1p)	singulare Russell, Asterolecanium	As	2(h,1p) i
2(2t)	singularis Hempel, Apiococcus	E	2(2t) c
	sipho Green & Lindinger, Halimococcus	H	6
2(1c)	sjostedti Cockerell, Stictococcus	S	18(1t,5c)
1(1p)	skaniana Russell, Asterolecanium	As	4(h,3p) c
1	smithii Lobdell, Eriococcus	E	6(1p)
1(1c)	smithii Silvestri, Eumyrmococcus	P	
1	smithii (Essig), Trionymus	P	2(1c)
1(1p)	smythi Morrison, Orthezia	O	2(h)
	snellingi McKenzie, Chorizococcus	P	3
1	sociabilis Hambleton, Pseudococcus	P	3(1to)
4(1t)	socialis Green, Conchaspis	Con	9(1tm)
	socialis Brain, Pseudococcus	P	4(1t,3p)
	socialis Maskell, Sphaerococcus	?	2
	solani Ezzat & McConnell, Paracoccus	P	3(h,1p)
11	solani Ferris, Phenacoccus	P	136 c, i
	solani (Hambleton), Rhizoecus	P	6(h,3p)
	solenophoroides (Green), Asterolecanium	As	5 am, i
6(2t)	solenopsis Tinsley, Phenacoccus	P	44(6t) am
8(1t)	solidaginis Sanders, Orthezia	O	23(4t) c, i
	solitarius Brain, Pseudococcus		
	(=N. vastator)	P	3(1t,1p) c
	solomonensis Williams, Pseudococcus	P	5
	sonomae McKenzie, Rhizoecus	P	2
2(1t)	sonorensis Cockerell, Orthezia	O	6(5t)
18	sorghiellus (Forbes), Pseudococcus	P	113
	sparsus Beardsley, Chlorococcus	P	1(1p)
	sparsus McKenzie, Pseudococcus	P	4(1p)
	sparus Russell, Asterolecanium	As	1(h)
1	spectabile Newstead, Asterolecanium	As	6 i
	spectabilis McKenzie, Discococcus	P	1
	sphagni (Green), Phenacoccus	P	2
5(1t)	spiniferus Maskell, Cyllindrococcus	E	20
2(2t)	spiniferus Hempel, Phenacoccus	P	2(2c)
	spiniger Maskell, Eriococcus	E	1
	spinipes (Hambleton), Rhizoecus	P	5(h) am, c
	spinosa Froggatt, Opisthoscelis	E	1
	spinosa Munting, Tachardina	Kerr	2(1p)
	spinosus Miller & Gonzalez, Chilecoccus	E	2(2p)
	spinosus Ferris, Hypogeococcus	P	4
13	spinosus (Robinson), Rastrococcus	P	21
	spinulosus DeLotto, Pseudococcus	P	1(1p)
2	spiropunctus (Lobdell), Syrmococcus	P	9
	sporoboli (Cockerell), Tridiscus	P	6(6c)
70	spuria (Modeer), Gossyparia	E	106 am

3	squamulatus Stickney,	Ph	38(h,4p,20t,13tm)
	Thysanococcus	P	9(1t)
1(1c)	stachyos (Ehrhorn), Heliococcus	M	1(1c) am
11(1c)	stebbingii (Stebbing), Drosicha		
	steelii (Cockerell & Townsend),		
	Spilococcus	P	16(1c) i
	stellatus (Maskell), Cerococcus	Cer	3(1tm?,1to) c
	stallatus McDaniel, Eriococcus	E	2(1p)
	stelli (Brain), Phenacoccus	P	6(1t,3p) am, c
	stelli tylococciformis Brain,		
	Pseudococcus (=P. stelli)	P	1(1t)
	stenosomus DeLotto, Tridiscus	P	1(1p)
	stentae Brain, Asterolecanium	As	25(1t,3p) i
2(1c)	stolatus Froggatt, Pseudococcus (?)	P	2(1c)
	straussiae (Ehrhorn), Chlorococcus	P	7
5(1p)	striatum Russell, Asterolecanium	As	10(h,1p) i
	strobilanthi Green, Pedronia	P	7
	strombylosa (Tepper), Apiomorpha	E	1
	strongylus Miller & McKenzie, Trionymus	P	1(1p)
3	stypheiae (Maskell), Asterolecanium	As	13 am, i
5	stypheiae Maskell, Sphaerococcus	?	23 i
7	subandina Leonardi, Icerya	M	7
1(1t)	subcorticis Morrison, Ripersia	P	3(h,2p)
	subdegeneratus Morrison, Matsucoccus	M	1(h)
	subdolum Russell, Asterolecanium	As	3(h,1p) i
1	subrotunda Schrader, Opisthoscelis	E	3
1	subterranea Signoret, Aclerda	Ac	31 c
	subterranea (Newstead), Chnaurococcus	P	1
2	subterraneus Morrison & Morrison,		
	Monophlebulus	M	3(h,2p) i
	subukiaensis DeLotto, Planococcus	P	1(1p)
1(1p)	subventruosum Russell, Asterolecanium	As	2(h,1p) c
1(1p)	suishae Russell, Asterolecanium	As	5(h,4p) c
	sulci Green, Antonina	P	3
1	sulfurea Lindinger, Icerya	M	3 c
1(1p)	sumatrae Russell, Asterolecanium	As	2(h)
3	sumatrana Rao, Icerya	M	12(h) c, i
1	sumatrensis Green, Drosicha	M	1 am
	superba DeLotto, Mombasinia	P	1(1p)
	superbus Leonardi, Macrocerococcus	P	2 am
1	suwakoensis (Kuwana & Toyoda),		
	Rosanococcus (=Coccurea?)	P	2
	swezeyi Ehrhorn, Pseudococcus	P	1(1p)
	sylvestris Cockerell & King, Kermes	Kerm	1(1t)
1	syncarpiae Froggatt, Gossyparia	E	1
	syzygii Beardsley, Pseudococcus	P	4(2p)
-T-			
8(1c)	tabernicolus Ferris, Steatococcus	M	1c
	taenechina Morrison, Llaveiella	M	17(h) c, i
	tafoensis (Stickland), Delococcus	P	1

1(lc)	taiwanus Takahashi, Trionymus (=D. boninsis)	P	1
1(lc)	takae (Kuwana), Pseudococcus	P	1(lc)
1(lt)	takagii Howell & Kosztarab, Lecanodiaspis	L	2(lp,ltm)
	takahashii Kuwana, Aclerda	Ac	2(2c) c
	takahashii McKenzie, Balanococcus	P	2(lp)
	talahiba McConnell, Aclerda	Ac	4(lt,3p)
1	tamarindus (Green), Perissopneumon	M	3
	tanganyicus Jakubski, Dimargarodes	M	5 am
1	taraktogeni Rao, Paraputo	P	4
1	tarsalis Newstead, Lecanodiaspis	L	2 am
	tayabanus Cockerell, Pseudococcus (=P. lilacinus)	P	1(ltm)
1(lp)	tectonae Morrison, Drosichiella	M	3(h)
	tectus DeLotto, Paracoccus	P	1(lp)
	tenorioi Beardsley, Gallulacoccus	P	1(lp)
	tenuipes (Cockerell), Chnaurococcus (=C. trifoli)	P	3(3t)
1	tenuis Green, Eriococcus	E	1
1	tenuissimum Green, Asterolecanium	As	3 c
7(lt)	tepperi Maskell, Eriococcus	E	2 am
2(2t)	tepperi Fuller, "Sphaerococcus"	"P"	1(lt)
	tergrigorianae Borchsenius, Phenacoccus	P	1
1	terrestris (Matesova), Eriococcus	E	1
	tesquorum Danzig, Antonina	P	1(lp)
	tessellata Cockerell, Lecanodiaspis (=L. prosopidis)	L	1(lt)
	texana McConnell, Aclerda	Ac	1(lp)
4(3p)	texana Morrison, Neosteingelia	M	47(h) am, c, i
	texana Ferris, Pseudantonina	P	2
	texensis (Tinsley), Dysmicoccus	P	12(3t,2tm)
1	thamnosmae Ferris, Lecanodiaspis	L	3(ltm)
4	theae Green & Mann, Tachardina	Kerr	5
3(lt)	theaecola (Green), Pseudococcus	P	4(2t)
2(ltm)	thebaicae Hall, Halimococcus	H	59(4t,10tm) am
	themedae James, Ripersia	P	1(lc)
	theobromae (Douglas), Pseudococcus	P	1
	theobromae (Hambleton), Rhizoecus	P	3(h, 2p)
	theobromae (Newstead), Steatococcus	M	14 c
2(lt)	thespesiae Green, Asterolecanium	As	2(lt,ltm) c
	theydoni Hall, Cerococcus	Cer	7
	tholothrix Miller & Gonzalez, Eriococcus	E	2(lp)
	thorntoni (Froggatt), Apiomorpha	E	7
	thysanolaenae Mamet, Aclerda (=A. takahashii)	Ac	1(lp)
1	thymelaeae Newstead, Eriococcus	E	1
	tibouchinae Hambleton, Pseudococcus	P	1
	tillandsiae Howell, Aclerda	Ac	4(h,3p)
	tillandsiae Ferris, Eriococcus	E	1(lp)
	tillandsiae Morrison, Orthezia	O	12(4p)
5(5p)	tillandsicola Morrison, Orthezia	O	3(h,lp)

1	timberlakei (Cockerell), Dysimococcus	P	5(1t)
2(2t)	tinctorius Cockerell, Porococcus	P	5(3t,1to)
7(1t,1c)	tinsleyi Cockerell, Eriococcus	E	7(2c) am
	tobai Kuwana, Antonina	P	5 c
9(1t)	tokionis (Cockerell), Aclerda	Ac	24 am, c
1	tokyonis Kuwana, Asterolecanium	As	1
34	tomentosus (Lamark), Dactylopius	D	72 am, i
3(2c)	tomentosus newsteadi Cockerell,		
	Dactylopius (=D. confusus)	D	7(L,3s,2tm)
	tormentosus Fuller, Sphaerococcus	E	1(1t) am
	tomlinii (Newstead), Euripersia	P	1
	tomlini (Green), Trionymus	P	1
	tosariensis Reyne, Walkeriana	M	2(1p) c
	totariae (Maskell), Madarococcus	E	2
	totonicapanus (Hambleton), Rhizoecus	P	2(h,2p)
1	toumeyi Cockerell, Eriococcus	E	2
	townsendi Beardsley, Trionymus	P	3(h,2p)
1(1t)	townsendi Cockerell, Asterolecanium	As	3(3t) c
25(3t)	townsendi (Cockerell), Drosicha	M	28 am
	townsendi (Cockerell), Spilococcus	P	3
11(1t,1c)	townsendi (Cockerell), Steatococcus	M	73(2c) c
1	trabuti Marchal, Neomargarodes	M	6 c, i
	transvaalensis Brain, Antonina		
	(=A. natalensis?)	P	4
	transvaalensis Brain, Pseudococcus	P	7(1t,1p)
3	transversus Morrison & Morrison,		
	Asterolecanium	As	11(h,1p) c
1(1tm)	transversus Green, Eriococcus	E	1
	tribulus Ferris, Clavicoccus	P	3(2t)
	trichiliae (Brain), Allococcus	P	10(1t,5p) am
	trichinus DeLotto, Paracoccus	P	1(1p)
	trichura (Cockerell), Cryptoripersia	P	7(2to)
3	tricornis (Newstead), Aspidoproctus	M	9
	trifolii Forbes, Chnaurococcus	P	34
	triloba Lindinger, Fagisuga	"Con"	5 am
	trimeni Giard, Margarodes	M	2(2tm)
	trinidadensis Beardsley, Chavesia	P	4(h,1p) am, i
4(1t,1c)	trinotatus Bogue, Kermes	Kerm	2
	trionymoides (DeLotto), Vryburgia	P	3(3p)
	tripartitus (Fuller), Eriococcus	E	2(2t)
	trisegmentalis Howell, Newsteadia	O	1
1	trispinosus (Hall), Dysmicoccus	P	2
	trispinosus (James), Peliococcus	P	1(1c)
	tristani Silvestri, Newsteadia	O	3
	tritici (Bodenheimer), Porphyrophora	M	6
	trivittatus (Cockerell), Chnaurococcus		
	(=C. trifolii)	P	3(3t) am, i
	trukensis Beardsley, Pseudococcus	P	2
	truncatispinus (Reyne), Sangicoccus	E	6(t,1c)
4(2p)	truncatum Russell, Asterolecanium	As	6(h) c
	tsaratananae Mamet, Conchaspis	Con	1
	tsinjoarivensis Mamet, Conchaspis	Con	1(1p)
2	tuberculatus Morrison, Steatococcus	M	6 am, i

13(1t)	tuberculus (Hempel), Cerococcus	Cer	12(12t) c
	tubulata McKenzie, Cryptoripersia	P	5
	turgipes (Maskell), Pseudoripersia	P	17(1t)
	tylocephalus Stickney, Platycoccus	Ph	15(h,2p,11t) am, i
	tympanistus (Ferris), Tympanococcus	P	2(2to)

-U-

1	udagamae Green, Asterolecanium	As	2 c
1(1t)	uhleri (Signoret), Llaveia	M	4(4t)
6(1c)	ulter Ferris, Puto	P	20 i
1(1t)	ultima Cockerell, Orthezia	O	3(3t)
7	umbellata (Froggatt), Apiomorpha	E	4
	umbilicus Beardsley, Sphaerococcopsis	E	2(2p)
2(1p)	ungulatum Russell, Asterolecanium	As	4(h,2p) am, i
	unicum Russell, Asterolecanium	As	1(h)
	urbanii Boratynski, Lacombia	P	1(1p)
9(1t)	urichi Cockerell, Asterolecanium	As	16(2t) c
2	urnalis (Tepper), Apiomorpha	E	1
10	urticae (Linnaeus), Orthezia	O	20 c, i
	usingeri McKenzie, Puto	P	1(1p)
	utahensis (Cockerell), Trionymus	P	4(1t)

-V-

	vaccinii Ferris, Cucullococcus	P	5
	vacuatus McKenzie, Dysmicoccus	P	1
	valenzuelae Balachowsky, Eriococcus	E	4
	vanheurni Reyne, Eurycoccus	P	1(1c)
	vardziai Hadzibejli, Arctorthezia	O	1
3(2p)	variabile Russell, Asterolecanium	As	8(h,4p) c
	variabilis McKenzie, Chorizococcus	P	3(2p)
	variabilis Miller, Ovaticoccus	E	2(1p)
1	variabilis (Hall), Planococcus	P	3
39	variolosum (Ratzeburg), Asterolecanium	As	63 i
1(1t)	varioseta Howell & Kosztarab, Lecanodiaspis	L	6(h,3p)
	varipes Leonardi, Orthezia	O	1(1c)
1	vastator (Maskell), Nipaecoccus	P	59 i
5(1c)	vastus Kuwana, Kermes	Kerm	1
	vaughani Mamet, Conchaspis	Con	1(1p)
	vayssierei Mamet, Conchaspis	Con	1(1p)
	vayssieriellus Ghesquiere, Pseudaspidopectus	M	1(1p)
	vejdovskyi Sulc, Ortheziola	O	11
	ventralis McKenzie, Spilococcus	P	5(2p)
	ventrosus (Maskell), Asterolecanium	As	1
4	vermilio (Planchon), Kermes	Kerm	4 c
	verrucula Froggatt, Opisthoscelis	E	2
46(33p)	vexillorum Morrison, Matsucoccus	M	317(h,90p) am, c, i
1(1p)	victoriae Russell, Asterolecanium	As	1(h)
1(1p)	viennae Russell, Asterolecanium	As	2(h,1p)

	vietnamensis Williams,		
	Paramyrmococcus	P	2(2p)
	villosa (Ehrhorn), Chnaurococcus	P	2(1c)
	violascens Cockerell, Trionymus	P	3(2t)
163(1t)	virgata (Cockerell), Ferrisia	P	839(1t,1tm) am, c, i
4(1c)	viridis Cockerell, Carpochloroides	E	6(2c) am, c, i
	viridula (Cockerell), Spilococcus	P	8
	viridulum (Cockerell), Asterolecanium	As	15(1t) am, i
	vitis (Niedielski), Planococcus	P	24
	vitis (Phillipi), Sphaeraspis	M	1
5	vitium Girard, Margarodes	M	44
2(1p)	vitreum Russell, Asterolecanium	As	3(h,2p)
1(1p)	vulgare Russell, Asterolecanium	As	2(h,1p) am

-W-

	wachendorffiae Brain, Pseudococcus	P	8(1t,3p)
	wacri Strickland, Newsteadia	O	1
	wairoensis (Maskell), Coelostomidia	M	11 am
1	walkeri (Newstead), Dysmicoccus	P	1
	washingtoniae (Ferris), Colobopyga	Ph	1(1p)
	weberi Beardsley, Chavesia	P	3(h,1p)
	wegneri Reyne, Hippeococcus	P	3
2	westwoodi Guerin, Callipappus	M	1 am
	wilkeyi McKenzie, Chorizococcus	P	5(3p)
	williamsi Kosztarab & Hale,		
	Cryptococcus	E	11(h,10p)
	williamsi Jakubski, Promargarodes	M	3
	williamsi Ezzat, Trionymus	P	1(h)
	willmattae Cockerell, Phenacoccus	P	3(2t) am
	winnemucae McKenzie, Trionymus	P	20 i
	wisei Williams & DeBoer, Trionymus	P	2(2p)
	wistariae (Green), Dysmicoccus	P	29 am, i

-X-

4	xalapensae McConnell, Aclerda	Ac	24(1t,3p) am, c, i
	xerophila Hempel, Neocoelostoma	M	35(1c) am, c
	xyliae (Green), Perissopneumon	M	1

-Y-

	yanehepae Brookes, Eurycoccus	P	1(1p)
	yapensis Beardsley, Pseudococcus	P	2(h,1p) i
5	yasushii Kuwana, Orthezia	O	8 c, i
	yuccae McKenzie, Chorizococcus	P	4
	yuccae Ferris, Eurycoccus	P	4
4	yuccae Townsend, Lecanodiaspis	L	13(1c) i
40(1t)	yuccae (Coquillett), Puto	P	80(6t) am, i
1(1c)	yuccae ceanothi (Cockerell), Puto		
	(=P. yuccae)	P	3(1t,2c) am
	yunnanensis Ferris, Aclerda	Ac	1

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8(lp)	zanthenes Russell, Asterolecanium	As	12(h,2p) i
1(lt)	zapotlanum Cockerell, Erium	P	3(3t)
	zapotlanus (Cockerell), Cerococcus	Cer	4(L,3pL) c
4(lc)	zealandica (Maskell), Coelostomidia	M	12 am, c, i
2(lt)	zealandica (Maskell), Phenacoleachia	Phena	5
	zealandicus Ezzat & McConnell,		
	Allococcus	P	2(h,lp)
	zebedielae DeLotto, Trionymus	P	1(lp)
25(lt?)	zeteki Cockerell, Icerya	M	64(lt?) c, i
1	zeylandicus (Green), "Kuwania"	M	5
	zimmermani Morrison, Newsteadia	O	2(h, lp)
	zimmermanni Green, Icerya	M	3
	zimmermanni DeLotto, Dactylopius	D	3(3p)
7	zonata Green, Antonina	P	12 am
	zoysiae McConnell, Aclerda	Ac	2(t,lp)
	zygophylli Howell & Kosztarab,		
	Lecanodiaspis	L	6(6p)
	zygophylli Archangelskaja, Eriococcus	E	1

Recent Publications

The following publications are those received since the newsletter was sent out in March 1976. The next "Recent Publications" should be considerably more complete. Please continue to send reprints of your papers so that they can be included.

- Adeli, E., and Soleimani, P.
 1976. Insects on oriental beech (Fagus orientalis ssp. macrophylla) in Iran and their importance for forestry practices and wood utilization. Ztschrt. f. Angew. Ent. 80 (2): 132-138.
- Anneck, D. P.
 1978. Soft green scale in Citrus Pests in the Republic of South Africa. Rep. S. Afr. Dept. Agr. Tech. Serv. Sci. Bull. 391: 103.
- Anneck, D. P., and Georgala, M. B.
 1978. Soft brown scale in Rep. A. Afr. Dept. Agr. Tech. Serv. Sci. Bull. 391: 99-102.
- Anneck, D. P., and Moran, C. C.
 1978. Critical reviews of biological pest control in South Africa. 2. The prickly pear, Opuntia ficus-indica (L.) Miller. J. Ent. Soc. Sth. Afr. 41 (2): 161-188.
- Argyriou, L. C.
 1976. Some data on biology, ecology and distribution of Aspidiotus nerii Bouche (Homoptera: Diaspididae) in Greece. Inst. Phytopath. Benaki Ann. (n.s.) 11 (3): 209-218.
 1976. Données sur la recrudescence d' attaque des cochenilles en grece. Fruits 32 (5): 360-362.
 1977. Recherches sur un programme de lutte biologique et integree contre les ravageurs des agrumes en grece. Fruits 32 (10) : 630-634.
- Argyriou, L. C., and Katsoyannos, P.
 1976. Establishment and dispersion of Metaphycus helvolus Compere in Kerkyra (Corfu) on Saissetia oleae (Olivier). Inst. Phytopath. Benaki Ann. (n.s.) 11 (3): 200-208.
- Argyriou, L. C., and Kourmadas, A. L.
 1977. Ecological studies on Filippia follicularis Targioni in Greece. Med. Fac. Landbouww. Rijksuniv. Gent 42 (2): 1353-1360.
- Argyriou, L. C., and Paloukis, S. S.
 1976. Some data on biology and parasitization of Sphaerolecanium prunastri Fonscolombe (Homoptera: Coccidae) in Greece. Inst. Phytopath. Benaki Ann. 11 (3): 230-240.
- Bain-ley, Y.
 1979. On the identification of Matsucoccus matsumurae (Kuwana) (Homoptera: Coccidae: Margarodidae) from China. Acta Entom. Sinica 22 (1): 108-114.
- Bain-ley, Y., Jin-lin, H., and Zun-yi, R.
 1976. Pine blast scales from China. Acta Entom. Sinica 19 (2): 199-204.

- Banks, H. J.
 1977. Pigments of the Coccoidea - Current knowledge and chemotaxonomic implications in Proceedings of the Symposium: Recent advances in the study of scale insects. The XV International Congress of Ent., Wash., D.C. Aug. 19-27, 1976. Studies on the Morphology and Systematics of Scale Insects - No. 9, V.P.I.S.U. Res. Div. Bull. 127: 51-67.
- Banks, H. J., Cameron, D. W., and Crossley, M. J.
 1976. Chemistry of the Coccoidea. IV. Polyhydroxyanthraquinones and their glucosides from Eriococcus coriaceus (Hemiptera: Insecta). Aust. J. Chem. 29: 2231-45.
- Banks, H. J., Cameron, D. W., Edmonds, J. S., and Raverty, W. D.
 1976. Chemistry of the Coccoidea. III. Isolation of a bianthrone glucoside from Callococcus acaciae and of ceroalbolinic acid from Cryptes baccatum (Hemiptera: Insecta). Aust. J. Chem. 29: 2225-30.
- Banks, H. J., Cameron, D. W., and Raverty, W. D.
 1976. Chemistry of the Coccoidea. II. Condensed polycyclic pigments from two Australian pseudococcids (Hemiptera). Aust. J. Chem. 29: 1509-21.
- Bazarov, B. B., and Nuramamtov, A. M.
 1976. New species of mealybugs of the genus Mirococcopsi-ammophilia new species Coccoidea, Pseudococcidae from the Tadzhik-SSR USSR. Izv. Akad. Nauk Tadzh. SSR Otd. Biol. Nauk 58 (1): 94-96.
- Beardsley, J. W., Jr., and Gonzalez, R. H.
 1975. The biology and ecology of armored scales. Ann. Rev. Ent. 20: 47-73.
- Bedford, E. C. G.
 1975. The present status of the integrated control of citrus pests in South Africa. Proc. I Congr. Ent. Soc. Sth. Afr. (1975): 203-215.
 1976. Citrus pest management in South Africa. Proc. Tall Timbers Conf. on Ecological Animal Control by Habitat Management, No. 6: 19-42.
 1978. Other scale insects of minor importance in Citrus Pests in the Republic of South Africa. Rep. S. Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 129-133.
- Bedford, E. C. G., and Dorey, H.
 1977. Integrated pest-management programme for citrus, with red scale under biological control: 1977/78. Farming in South Africa. Dept. Agric. Tech. Serv., Pretoria. 10pp.
- Bedford, E. C. G., and Georgala, M. B.
 1978. Red scale Aonidiella aurantii (Mask.) in Citrus pests in the Republic of South Africa. Rep. S. Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 103-118.
- Benassy, C., Deportes, L., Onillon, J. C., and Panis, A.
 1975. Premieres indications pour une protection integree des cultures d'agrumes dans le sud est de la France. Note de l'Information Lutte integree, ACTA, 17: 17-25.
- Benassy, C., Onillon, J. C., and Panis, A.
 1976. Essai d'utilisation rationnelle de la lutte biologique contre les homopteres fixes des citrus. Inst. Nat. de la Recherche Agron., Sta. de Zool. Lutte Biol. Antibes. 30pp.

- Ben-Dov, Y.
1975. A new species of Crisicoccus Ferris from mangrove in the Sinai Peninsula (Homoptera: Pseudococcidae) Rev. Zool. Afr. 89 (2): 451-454.
- Ben-Dov, Y.
1976. Phenology of the Florida Wax Scale, Ceroplastes floridensis Comstock (Homoptera: Coccidae), on citrus in Israel. Phytoparasitica 4 (1): 3-7.
1976. Lecanium acuminatum Signoret, 1873 (Insecta, Homoptera, Coccidae): Request for designation of a neotype under the plenary powers. A.N. (S.) 2119. Bull. Zool. Nomencl., 32, Part 4, 257-260.
1977. The citricola scale, a potential citrus pest new to Israel. Hassadeh 57: 2232-4.
1977. Taxonomy of the long brown scale Coccus longulus (Douglas), stat. n. (Homoptera: Coccidae). Bull. ent. Res. 67: 89-95.
1977. New species of Aclerda Signoret (Homoptera: Aclerdidae) from southern Africa. J. Nat. Hist. 11: 371-376.
1978. The striped mealybug, a potential pest new to Israel. Hassadeh 58: 1199-1200.
- Beshear, R. J., and Tippins, H. H.
1977. Collection records for the Hoke species of diaspidids. J. Georgia Entomol. Soc. 12 (2): 180-182.
- Borchsenius, N. S.
1978. Notes on Coccidea of Eastern Asia. XII. New genus and species of the scale insects (Homoptera, Coccidae, Diaspididae). Revue d'Entomologie de l'URSS, LVII: 106-109.
- Brookes, H. M.
1976. New species and records of Chorizococcus McKenzie in Australia (Homoptera: Pseudococcidae). J. Aust. Ent. Soc., 1976: 421-432.
1978. A new species of Helicococcus Sulc from Australia and Pakistan and a redescription of Helicococcus glacialis (Newstead) n. comb. (Homoptera: Pseudococcidae). J. Aust. Ent. Soc 17: 241-245.
- Cameron, D. W., and Raverty, W. D.
1976. Pseudo hypericin and other phenanthroperylene quinones. Aust. J. Chem. 29 (7): 1523-1534.
- Carrero, J. M., Limon, F., and Panis, A.
1977. Note biologique sur quelques insectes entomophages vivant sur olivier et sur agrumes en Espagne. Fruits 32 (9): 548-551.
- Chiu, C., and Kouskolekas, C. A.
1978. Laboratory rearing of tea scale. Entomol. Soc. Amer. Ann. 71 (6): 850-851.
- Cilliers, C. J.
1978. Australian bug, Icerya purchasi Maskell in Citrus Pests in the Rep. South Africa. Rep. South Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 85-87.
1978. Wax scales on citrus in Citrus Pests in the Rep. South Africa. Rep. South Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 105-108.
1978. Circular purple scale Chrysomphalus aonidum (L.) (= Chrysomphalus ficus Ashm.) in Citrus Pests in the Rep. South Africa. Rep. South Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 119-122.

- Cilliers, C. J., and Bedford, E. C. G.
1978. Citrus mealybugs in Citrus pests in the Rep. of South Africa. Rep. S. Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 89-97.
- Cox, J. M.
1978. Revision of the Rhizoecus species (Homoptera: Pseudococcidae) known from New Zealand. N. Z. J. Zool. 5: 623-638.
- Danzig, E. M.
1976. Two new species of the armored scale insects of the genus Chionaspis (Homoptera, Coccoidea, Diaspididae) from the south of the maritime province. Akad. Nauk CCCP 62: 3-5.
1977. An ecological and geographical review of the scale insect (Homoptera, Coccoidea) fauna of the south parts of the Far East. Akad. Nauk CCCP 70: 37-60.
1977. Contributions to the scale insect fauna of North and East Mongolia (Homoptera, Coccidae). Insects of Mongolia No. 5: 196-202.
1977. On the nomenclature and distribution of some injurious scale insects (Homoptera, Coccidae). Akad. Nauk CCCP 56: 99-102.
1978. New species of mealybugs (Homoptera, Coccoidea) from Siberia and the Far East in New Species of Animals. Akad. Nauk SSSR, Zool. Inst. Trudy 61: 124-132.
- Davidson, J. A., and Miller, D. R.
1977. A taxonomic study of Hemigymnaspidis (Lindinger) (Homoptera: Diaspididae) including descriptions of four new species. Proc. Entomol. Soc. Wash. 79 (4): 499-517.
- De Boer, J. A., and Valentine, E. W.
1977. The identity of Leucaspis gigas (Homoptera: Diaspididae), with descriptions of four similar species in New Zealand. N.Z. J. Zool. 4: 153-164.
- Deitz, L. L., Hall, G., and Tocker, M. F.
1979. Hemiptera in the DSIR Collection. Ent. Soc. N.Z. Newsletter. The WETA 2 (2): 17-20.
- Dekle, G. W.
1976. Green scale, Coccus viridis (Green) (Homoptera: Coccidae). Fla. Dept. Agr. Cons. Serv., Ent. Circ. 165: 2pp.
- De Villiers, J. F.
1978. Citrus mussel scale Cornuaspis beekii (Newm.) (= Lepidosaphes beekii (Newm.)) in Citrus Pests in the Rep. of South Africa. Rep. S. Afr. Dept. Agr. Tech. Serv. Sci. Bull. No. 391: 123-127.
- Donaldson, D. R., Moore, W. S., Koehler, C. S., Joos, J. L.
1978. Scales threaten iceplant in Bay Area. Calif. Agr. Oct., 4pp.
- Edmunds, G. F., Jr., and Alstad, D. N.
1978. Coevolution in insect herbivores and conifers. Scale insects adapt to intraspecific variation in pine defenses with a differentiated deme on each tree. Science 199: 941-945.
- El-Minshawy, A. M., Karam, H. H., and El-Sawaf, S. K.
1974. Biological studies on the long tailed mealy bug, Pseudococcus longispinus (Targ. Tozzetti). Bull. Soc. Ent. Egypte, 58: 385-391.
- Ferenc, K.
1975. Szexulattraktans kimutatása a kaliforniai pajzstetűnél (Quadraspidotus perniciosus Comst. Homoptera, Coccidae). Novenyvedelem, XI. Evfolyam 8: Szam, 353-355.

- Foldi, I.
1978. Ultrastructure des glandes tegumentaires dorsales, secretrices de la "laque" chez la femelle de Coccus hesperidum L. (Homoptera: Coccidae). Int. J. Insect Morphol. Embryol. 7 (2): 155-163.
- Fregoni, M.
1977. La viticoltura in Sud Africa. Vignevini 4 (4): 25-27.
- Furness, G. O.
1976. The dispersal, age-structure and natural enemies of the long-tailed mealybug, Pseudococcus longispinus (Targioni-Tozzetti), in relation to sampling and control. Aust. J. Zool. 24 (2): 237-247.
- Georghiu, G. P.
1977. The insects and mites of Cyprus. Kiphissia, Athens, Greece 347pp. (148-154).
- Gerson, U., Halperin, J., Shanouni, Y., and Eyal, O.
1976. The armoured scale insects (Homoptera: Diaspididae) on pines in Israel. La-Yaaran 26: 44-4 , 12-16.
- Gerson, U., and Rossler, Y.
1977. Distribution of chaff scales on citrus in Israel - 1976. Hassedeh 57: 864-865.
- Gill, R. J., Nakahara, S., and Williams, M. L.
1977. A review of the genus Coccus Linnaeus in America north of Panama (Homoptera: Coccoidea: Coccidae). State of California, Dept. Food & Agric., Div. Plant Industry, Lab Services No. 24: 1-44.
- Gokulpure, R. S., Mehra, B. P., and Teotia, T. P. S.
1976. Lac and the lac insect. Indian Farming 26 (8): 7-8.
- Gullan, P. J.
1978. Male insects and galls of the genus Cylindrococcus Maskell (Homoptera: Coccoidea). J. Aust. ent. Soc. 17: 53-61.
- Gunn, B. H.
1978. Sexual dimorphism in the first instar of the cochineal insect Dactylopius austrinus De Lotto (Homoptera: Dactylopiidae). J. Ent. Soc. Sth. Afr. 41 (2): 333-338.
- Hambleton, E. J.
1976. A revision of the new world mealybugs of the genus Rhizoecus (Homoptera: Pseudococcidae). USDA, ARS, Tech. Bull. 1522: 1-88.
1977. Notes on the species of Neorhizoecus Hambleton, a synonym of Rhizoecus Kunckel D'Herculaais (Homoptera: Pseudococcidae). Proc. Entomol. Soc. Wash. 79 (3): 367-376.
1977. A review of Pseudorhizoecus Green, with a description of a related new genus (Homoptera: Pseudococcidae). J. Wash. Acad. Sci. 67 (1): 38-41.
1978. Three new Neotropical Rhizoecus (Homoptera: Pseudococcidae). Proc. Ent. Soc. Wash. 80 (2): 156-163.
- Hamon, A. B., Lambdin, P. L., and Kosztarab, M.
1975. Eggs and wax secretion of Kermes kingi. Ann. Ent. Soc. Amer. 68 (6): 1077-78.
1976. I. Life history and morphology of Kermes kingi in Virginia (Homoptera: Coccoidea: Kermesidae). Morphology and systematics of scale insects - No. 8. VPISU Res. Div. Bull. 111: 1-31.

- Hasan, S.
1978. Biology of the root coccid, Neomargarodes chondrillae (Hem.: Margarodidae), living on Chondrilla juncea and related plants. Entomophaga 23 (1): 25-30.
- Howell, J. O.
1976. The adult male of Aclerda tillandsiae: Morphology and systematic significance. Ann. Ent. Soc. Amer. 69 (5): 885-888.
1977. Descriptions of the first instars of the North American species in the genus Fiorinia. Ann. Ent. Soc. Amer. 70 (6): 829-836.
1978. Three new species of armored scales from Mexico and Puerto Rico. Ann. Ent. Soc. Amer. 71 (3): 401-407.
- Howell, J. O., and Miller, D. R.
1976. A taxonomic study of the mealybug genus Stemmatomerinx (Homoptera: Coccoidea: Pseudococcidae). Ann. Ent. Soc. Amer. 69 (2): 345-361.
- Howell, J. O., and Tippins, H. H.
1975. Descriptions of first and second instars of Praecocaspis diversa Ferris (Homoptera: Diaspididae). Ann. Ent. Soc. Amer. 68 (6): 1028-1032.
1976. Descriptions of the second-stage males in the genus Haliaspis (Homoptera: Diaspididae). Ann. Ent. Soc. Amer. 69 (2): 175-180.
1977. Descriptions of first instars of nominal type-species of eight diaspidid tribes. Ann. Ent. Soc. Amer. 70 (1): 119-135.
1977. Resurrection of Cupidaspis with the description of a new species. Ann. Ent. Soc. Amer. 70 (6): 898-900.
1978. Morphology and systematics of Odonaspis minima n. sp. Ann. Ent. Soc. Amer. 71 (5): 762-766.
- Howell, J. O., and Williams, M. L.
1976. An annotated key to the families of scale insects (Homoptera: Coccoidea) of America, North of Mexico, based on characteristics of the adult female. Ann. Ent. Soc. Amer. 69 (2): 181-189.
- Hu, H., and Wang, L.
1976. Studies on the pine blast scale Matsucoccus massoniana Y. & H. Acta Ent. Sinica 19 (4): 383-392.
- Johnson, W. T., and Lyon, H. H.
1976. Insects that feed on trees and shrubs. Comstock Publ. Assoc., Cornell Univ. Press, Ithaca and London, 464pp.
- Kawecki, Z., and Wernerowna, H.
1975. Opis mapy gdanszczanina Daniela Zwickera (1650) z rozmieszczeniem czerwca polskiego Porphyrophora polonica (L.) (Coccoidea) na Polesiu, uzupełniony dwiema mało ananymi pracami z XVII wieku. Polska Akad. Nauk Inst. Zool., Mem. Zool. 27: 1-61.
- Knipscher, R. C., Miller, D. R., and Davidson, J. A.
1976. Biosystematics of Chionaspis nyssae Comstock (Homoptera: Diaspididae), with evidence supporting leaf and bark dimorphism of the scale. Melanderia 25: 1-30.
- Kono, T., and Papp, C. S.
1977. Handbook of Agricultural Pests. Aphids, Thrips, Mites, Snails, and Slugs. Calif. Dept. Food & Agric., Div. Plant Ind. Lab. Serv. - Ent. 1-205.

- Kosztarab, M.
 1977. The current state of coccid systematics in Proceedings of the Symposium: Recent advances in the study of scale insects. The XV International Congress of Ent., Wash. D.C., Aug. 19-27, 1976. Studies on the Morphology and Systematics of Scale Insects - No. 9, VPISU Res. Div. Bull. 127: 1-4.
- Kosztarab, M., and Kozar, F.
 1978. Scale insects - Coccoidea. Fauna Hungariae XVII (131), Part 22, 1-192.
- Koteja, J.
 1976. The salivary pump in the taxonomy of the Coccinae (Homoptera). Acta Zool. Cracoviensia XXI (7): 263-270.
 1978. An introduction to the revision of the Eriopeltini Sulc (Homoptera, Coccidae), with establishment of two new genera. Polskie Pismo Ent. Bull. Ent. Pologne 48: 311-327.
 1978. Notes on Heterococcus Ferris and four mealybugs (Homoptera, Pseudococcidae) new to the Polish fauna. Pol. Pismo Ent. Bull. Ent. Pologne 48: 501-504.
- Koteja, J., and Liniowska, E.
 1976. The clypeolabral shield in the taxonomy of the Coccinea (Homoptera). Pol. Pismo Ent. Bull. Ent. Pologne 46: 653-681.
- Koteja, J., Liniowska, E., and Lubowiedzka, A.
 1976. On some changes of the cuticle in the female Saissetia hemisphaerica Targioni-Tozzetti (Homoptera, Coccinae). Acta Biol. Cracoviensia Zool. series. XIX:71-77.
- Kozar, F.
 1975. Evaluation of methods of forecasting the appearance of wanderers and males of Quadraspidiotus perniciosus Comst. (Homoptera: Coccidae). VIII. International Plant Protection Congress, Moscow 1975. Section II. Achievements in studies of biology of harmful organisms and development of forecasting methods. 198-209.
- Kozarzhevskaya, E., and Reitzel, J.
 1976. The scale insects (Homoptera: Coccoidea) of Denmark. Statens Forsogsvirksomhed i Plantekultur Beretning 1226: 1-40.
- Lambdin, P. L.
 1977. A revision of the genus Polea Green (Homoptera: Coccoidea: Asterolecaniidae). Ann. Ent. Soc. Amer. 70 (6): 911-915.
 1977. Asterolecanium notatum (Homoptera: Coccoidea: Asterolecaniidae): New species of pit scale on bamboo from the Philippine Islands. Ann. Ent. Soc. Amer. 70 (4): 625-627.
- Lambdin, P. L., Howell, J. O., and Kosztarab, M.
 1976. III. Morphology and systematics of two species in the Quercus group of the genus Lecanodiaspis (Homoptera: Coccoidea: Lecanodiaspididae). Studies on the morphology and systematics of scale insects - No. 8. VPISU Res. Div. Bull. 111: 43-54.
- Lambdin, P. L., and Kosztarab, M.
 1974. A new genus and species of pit scale from Australia (Homoptera: Coccoidea: Lecanodiaspididae). Ann. Ent. Soc. Amer. 67 (3): 409-412.
 1975. A redescription of Amorphococcus mesuae Green with notes on its systematic position (Homoptera: Coccoidea: Asterolecaniidae). Proc. Ent. Soc. Wash. 77 (3): 376-381.

1976. II. The genus Solenophora and its type species (Homoptera: Coccoidea: Lecanodiaspididae). Studies on the morphology and systematics of scale insects - No. 8. VPISU Res. Div. Bull. 111: 33-41.
1976. IV. Morphology and systematics of Celaticoccus cantentulatus (Froggatt): A gall-forming scale insect from Australia (Homoptera: Coccoidea: Lecanodiaspididae). Studies on the morphology and systematics of scale insects. - No. 8. VPISU Res. Div. Bull. 111: 55-61.
1977. Acalyptococcus eugeniae: A new genus and species of eriococcid from Singapore (Homoptera: Coccoidea: Eriococcidae). Proc. Ent. Soc. Wash. 79 (2): 245-249.
1977. Studies on the morphology and systematics of scale insects. No. 10. Morphology and systematics of the adult females of the genus Cerococcus. VPISU Res. Div. Bull. 128: 1-252.
- Loyttyneimi, K.
1978. Scale insect of the genus Matsucoccus (Homoptera, Margarodidae) in pine in Finland. Notulae Ent. 58: 115-116.
1977. Californian scale insect - dangerous quarantine object for Kazakstan. Isv. Adak. Nauk Kaz. SSR Ser. Biol. 3: 26-30.
- Magakian, I. U. A., Mararian, S. R., Petrossian, A. V., Mkrtchian, L. P., Abroian, L. O., and Hakopian, L. A.
1976. The oogenesis of the ararat cochineal (Porphyrophora hamelii Brandt). I. Histomorphological characteristics of the formation of follicular apparatus and the development of oocytes. Tsitologiya 18 (8): 932-936.
- Matesova, G. Y.
1976. Two new species of felt makers from Kazakhstan. Izv. Akad. Nauk Kaz. SSR Ser. Biol. 3: 22-26.
- Matile-Ferrero, D.
1976. La faune terrestre de l'ile de Sainte-Helene, Part III. 7. Coccoidae. Musee Royal de l'Afrique Centrale - Tervuren, Belgizue Annales, Serie in-8, Sciences Zool., 215: 292-318.
1977. Une cochenille nouvelle nuisible au manioc en Afrique Equatoriale, Phenacoccus manihoti n. sp. (Homoptera, Coccoidea, Pseudococcidae). Anmls. Soc. ent. Fr. (N.S.) 13 (1): 145-152.
- McClure, M. S.
1976. Colonization and establishment of the red pine scale, Matsucoccus resinosae (Homoptera: Margarodidae) in a Connecticut plantation. Environ. Ent. 5 (5): 943-947.
1977. Dispersal of the scale Fiorinia externa (Homoptera: Diaspididae) and effects of edaphic factors on its establishment on hemlock. Environ. Ent. 6 (4): 539-544.
1977. Parasitism of the scale insect, Fiorinia externa (Homoptera: Diaspididae), by Aspidiotiphagus citrinus (Hymenoptera: Eulophidae) in a hemlock forest: Density dependence. Environ. Ent. 6 (4): 551-555.
1977. Population dynamics of the red pine scale, Matsucoccus resinosae (Homoptera: Magarodidae): The influence of resinosis. Environ. Ent. 6 (6): 789-795.
1977. Fiorinia externa and Tsugaspidiotus tsugae (Homoptera: Diaspididae): Distribution, abundance, and new hosts of two destructive scale insects of eastern hemlock in Connecticut. Environ. Ent. 6 (6): 807-811.

1978. Seasonal development of Fiorinia externa, Tsugaspidiotus tsugae (Homoptera, Diaspididae), and their parasite, Aspidiotiphagus citrinus (Hymenoptera: Aphelinidae): Importance of parasite-host synchronism to the population dynamics of two scale pests of hemlock. *Environ. Ent.* 7 (6): 869-870.
- McLaughlin, J. R., and Ashley, T. R.
1977. Photoperiod and temperature modulation of male eclosion timing in the white peach scale, Pseudaulacaspis pentagona. *Physiol. Ent.* 2: 209-212.
- McMullen, R. D.
1978. Two mealybugs (Homoptera: Pseudococcidae) new to British Columbia. *Can. Ent.* 110: 895.
- Miller, D. R., and Denno, R. F.
1977. A new genus and species of mealybug with a consideration of morphological convergence in three arboreal species (Homoptera: Pseudococcidae). *Sys. Ent.* 2: 111-157.
- Miller, D. R., and Gonzalez, R. H.
1975. A taxonomic analysis of the Eriococcidae of Chile. *Rev. Chilena Ent.* 9: 131-163.
- Miller, D. R., and Kosztarab, M.
1979. Recent advances in the study of scale insects. *Ann. Rev. Ent.* 24: 1-27.
- Miller, D. R. and Williams, D. J.
1976. Proposed conservation of the family-group name Eriococcidae Cockerell, 1899 (Insecta, Homoptera) and the designation of a type-species for Eriococcus Targioni-Tozzetti, 1868 under the plenary powers. *Z.N.(S.)* 2140. *Bull. Zool. Nomen.* 33, part 2: 118-123.
- Moore, W. S., Koehler, C. S., Joos, J. L., Donaldson, D. R., Cassidy, D. V., and R. J. Gill
1979. Ice plant scale insects. Univ. of Calif. Div. Agric. Sci. Leaflet 21084: 7pp.
- Moreno, D. S.
1979. Pheromone aids red scale control. *USDA, Agr. Res.* 27 (7): 8-10.
- Morere, J. L., and Seuge, J.
1976. Effects of natural or artificial preirradiated food on the life history of two unirradiated insects: mealybugs (Pseudaulacaspis pentagona Targ.) and Indian meal moths (Plodia interpunctella Hubner). *Radiat. Res.* 67 (1): 120-127.
- Munting, J.
1977. On the genera Aulacaspis, Dulachionaspis and Ledaspis from Southern Africa (Homoptera: Diaspididae). *Rep. South Afr., Dept. Agric. Tech. Serv., Ent. Memoir* 46: 1-34.
- Nakahara, S.
1978. Ceroplastes denudatus, junior synonym of C. rusci (Homoptera: Coccoidea: Coccidae). *Proc. Ent. Soc. Wash.* 80 (4): 657-658.
- Nakao, S., Takagi, S., Tachikawa, T., and Wongsiri, T.
1977. Scale insects collected on citrus and other plants and their hymenopterous parasites in Thailand. *Insecta Matsumurana, New Series* 11: 61-72.
- Nickerson, J. C., and Whitcomb, W. H.
1974. Eriococcus smithii (Eriococcidae: Homoptera); a new species record for Florida. *The Florida Ent.* 57 (3): 285.

- Nur, U.
 1977. Maternal inheritance of enzymes in the mealybug Pseudococcus obscurus (Homoptera). *Genetics* 86: 149-160.
 1977. Electrophoretic comparison of enzymes of sexual and parthenogenetic mealybugs (Homoptera: Coccoidea: Pseudococcidae) in Proc. of the Symposium: Recent advances in the study of scale insects. XV Intl. Congress of Ent., Wash., D.C. Aug. 19-27, 1976. Studies on the morphology and systematics of scale insects - No. 9, VPISU Res. Div. Bull. 127: 69-84.
 1979. Gonoid thelytoky in soft scale insects (Coccidae: Homoptera). *Chromosoma* (Berl.) 72: 89-104.
- Panis, A.
 1978. Lutte integree en verger d'oliviers. *Agronomie oleicole. L'Olivier Rev. Oleicole Bi-Mestrielle, Tech. et Econ.*, 18 (no. ISSN 0396-0293): 12-14.
 1978. Caracteres ecologiques et biocenotiques de la cochenille noire de l'Olivier Saissetia oleae (Olivier) (Homoptera, Coccoidea, Coccidae). *Structure, dynamique et utilisation des formations a chene pubescent en zone dioclimatique Mediterranee*. Del. Gen. Recherche Sciency. et Tech. Nov. 1977-Fevrier 1978: 40-45.
 1978. La fumagine de l'olivier dans les pays Mediterraneens. *J. Etudes Internationales Oleicoles de Bargemon*, 28 Fev.-2 Mars, 1978. 1-2.
- Panis, A., and Marro, J. P.
 1977. L'elevage massif de Chloropulvinaria urbicola (Cockerell) (Homoptera, Coccidae). *Fruits* 32 (10): 599-606.
- Panis, A., Petolat, P., and Devaux, R.
 1977. Essai d'application de la methode des blocs a la mesure de l'action secondaire de pesticides sur les parasites de la cochenille noire des agrumes (Homoptera, Coccidae, Coccidae). *Fruits* 32 (10): 615-619.
- Panis, A., and Pierart, J.
 1976. Cochenille noire et fumagine dans lacadre de la lutte integree contre les ravageurs de l'olivier en France. *L'Olivier Notes Oleicoles, Rev. Oleicole Mensuelle, Tech. et Econ.* 16 (1): 10-12.
- Pataki, E.
 1976. Az ananasz vandorpajzstetu (Dysmicoccus brevipes (Cockerell)) biologiaja, okologiaja es az ellene valo vedekezés kubaban. Doctor's dissertation, Univ. Agricult. Godollo, Hungary 12pp.
- Pesson, P.
 1978. Fine structure of the tegumentary glands secreting the protective 'shield' in a sessile insect (Homoptera, Diaspididae). *Tissue & Cell*. 10 (2): 398-399.
- Prins, A. J., Ben-Dov, Y., and Rust, D. J.
 1975. A new observation on the association between ants (Hymenoptera: Formicidae) and armoured scale insects (Homoptera: Diaspididae). *J. Ent. Soc. Sth. Afr.* 38 (2): 211-216.
- Robison, W. G., Jr.
 1977. Ultrastructure of Coccoidea sperm. in Kosztarab 1977, 35-50.
- Rosen, D., and DeBach, P.
 1977. Use of scale-insect parasites in Coccoidea systematics. in Kosztarab 1977, 5-21.

- Rotundo, G., and Tremblay, E.
 1976. La discriminazione sierodiagnostica negli Pseudococcidi (Homoptera: Coccidae). II. Planococcus citri (Ris.) e Planococcus ficus (Sign.) Bollettino Lab. Ent. Agr. Portici 33: 99-107.
 1976. Osservazioni sull'attivit  di volo dei maschi di Pseudococcus calceolariae (Mask.) (Homoptera Coccoidea). Bollettino Lab. Ent. Agr. Portici 33: 108-112.
- Salas, S., and Jiron, L. F.
 1977. Simbiosis entre cochinillas de cola (Homoptera: Margarodidae) y otros insectos. II. Estructura del sistema y significado ecologico. Brenesia 10/11: 57-64.
- Sampo, A., and Olmi, M.
 1976. Ritrovamento in Italia di Ortheziola vejovskyi Sulc, potenzialmente dannosa alle radici di piante ornamentali. (Coccoidea Ortheziidae). Atti Cl. di Scienze fisiche, Atti della Accad. delle Sci. di Torino 110: 217-219.
- Sandlant, G. R.
 1978. Slide-mounting fresh specimens of small soft-bodied Homoptera (Mealybugs, Scale Insects and Aphids). N.Z. Ent. 6 (4): 430-431.
- Seghatoleslami, H.
 1977. List of scale insects (Fam. Diaspididae) of Iran. J. Ent. Soc. Iran 4 (1,2): 5-19.
- Stimmel, J. F.
 1978. Hemispherical scale, Saissetia coffeae (Walker) Homoptera: Coccidae. Reg. Hort. 4 (2): 19-20. Penna. Dept. Agr. Bureau Plant Ind. Ent. Cir. 34.
- Takagi, S.
 1977. Five species of Diaspididae associated with Pinaceae in Central Nepal (Homoptera: Coccoidea). Insecta Matsum. 11: 1-30.
- Takagi, S., and Howell, J. O.
 1977. The genus Quernaspis, a possible Asio-American element in scale insect biogeography (Homoptera: Coccoidea). Insecta Matsum. 11: 31-59.
- Talhok, A. S.
 1975. Contributions to the knowledge of almond pests in East Mediterranean countries. II. Didesmococcus unifasciatus (Arch.) Zeit. Ang. Ent. 78: 409-414.
- Tippins, H. H.
 1977. An armored scale insect pest of ornamentals new to Georgia. J. Georgia Ent. Soc. 12 (1): 84.
- Tippins, H. H., and Beshear, R. J.
 1978. Some new records of scale insects from grasses in Georgia. J. Georgia Ent. Soc. 13 (1): 12-14.
- Tippins, H. H., Clay, H., and Barry, R. M.
 1977. Peony scale: a new host and biological information. J. Georgia Ent. Soc. 12 (1): 68-71.
- Tremblay, E.
 1977. Advances in endosymbiont studies in Coccoidea. in Kosztarab 1977, 23-33.
- U.S. Dept. of Agric.
 1977. Hawaii Pest Report. First record for Furchadiaspis zamiae and Asterolecanium pseudomilaris for the state of Hawaii. Coop. Plant Pest Report 2: 15, 199.

- Varshney, R. K.
1976. A check-list of insect parasites associated with lac. *Oriental Insects* 10 (1): 55-78.
- Vostoka, N. D.
1976. Insects of the Far East. *Trudy Biol. pochvennogo Inst. N.S.* 43(146): 3-7.
- Wallner, W. E.
1978. Scale insects: What the arboriculturist needs to know about them. *Arbor. J.* 4 (5): 97-103.
- Wang, S.
1976. A study of the spermatogenesis of Laccifer lacca (Kerr). *Acta Ent. Sinica* 19 (2): 194-198.
- Wang, T.
1978. A new coccid of Paraputo (Homoptera: Coccoidea). *Acta Ent. Sinica* 21 (4): 415-416.
- Wearing, C. H.
1976. San Jose scale, Quadraspidiotus perniciosus (Comstock), life cycle. *DSIR Inform. Series No. 105/21*, 3pp.
- Williams, D. J.
1977. A new species of Exaeretopus Newstead (Homoptera: Coccidae) attacking wheat in Iraq. *Bull. Ent. Res.* 67: 281-284.
1978. The anomalous ant-attended mealybugs (Homoptera: Pseudococcidae) of south-east Asia. *Bull. British Museum (Nat. Hist.), Ent. Ser.* 37 (1): 1-72.
- Williams, M. L.
1977. Scale insects of the Galapagos Islands. *in* Kosztarab 1977, 85-98.
- Willoughby, P. A., and Kosztarab, M.
1974. Morphological and biological studies on two species of Chionaspis (Homoptera: Coccoidea: Diaspididae). *Morphology and Systematics of Scale Insects - No. 7.* VPISU Res. Div. Bull. 92: 1-83.
- Wise, K. A. J.
1977. A synonymic checklist of the hexapoda of the New Zealand Sub-region. *Bull. Auckland Inst. & Mus.* 11: 1-176.
- Young, B. L., Hu, J. L., Ren, Z. Y.
1976. Pine blast scales from China. *Acta Ent. Sinica* 19 (2): 199-204.

